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.

University of Central Florida

PEGASUS was the winged horse of the muses in Greek Mythology. It carried their hopes, their aspirations, and their poetry into the skies. PEGASUS is as futuristic as tomorrow’s space exploration in our solar system and into the universe beyond. The seal also bridges the gap between the humanities and space technology.

UCF Stands For Opportunity
Welcome to the University of Central Florida — the university that stands for opportunity!

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

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

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

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

Cordially yours,

John C. Hitt
President
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**Application Deadline for All New Undergraduate**
- March 1
- April 1
- April 15
- March 1

**Application Deadline for Readmission**
- April 1
- April 1
- April 1
- April 1

**Application Deadline for Graduate Programs Without Deadline**
- Mar. 9 - Apr. 27
- Mar. 9 - Apr. 27
- Mar. 9 - Apr. 27
- Mar. 9 - Apr. 27

**Graduation Application (Online Intent to Graduate on myUCF)**
- Mar. 23 - May 17
- May 15
- Mar. 23 - May 17
- May 15

**Registration on myUCF**
- Mar. 23 - May 17
- June 26
- May 23 - May 17
- May 15

**Registration for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)**
- May 15
- June 26
- May 15
- N/A

**Registration for Senior Citizen Audits and STEP (begins 3:30 p.m.)**
- May 17
- June 27
- May 17
- N/A

**On-campus Housing opens (1:00 p.m.)**
- May 17
- June 29
- May 18
- May 18

**Classes begin**
- May 18
- June 29
- May 18
- May 18

**Late Registration on myUCF (ends at 11:59 p.m. on last day)**
- May 18-22
- June 29 - July 2
- May 18-22
- May 18-22

**Drop Deadline on myUCF (ends at 11:59 p.m.)**
- May 21
- July 1
- May 21
- May 21

**Last Day for Full Refund on myUCF (ends at 11:59 p.m.)**
- May 21
- July 1
- May 21
- May 21

**Add Deadline on myUCF (ends at 11:59 p.m.)**
- May 22
- July 2
- May 22
- May 22

**Fees Due**
- May 29, 2009 - Students registering from 3/23/09 through 5/22/09
- July 10, 2009 - Students registering for Summer B only 5/23/09 through 7/02/09

**Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)**
- June 5
- July 17
- June 26
- June 19

**Withdrawal Deadline on myUCF (ends at 11:59 p.m.)**
- June 5
- July 17
- June 26
- June 19

**CLAST test (register by May 8)**
- June 6

**VA Deferral Payment Deadline**
- June 24

**Classes End; Last Day to Remove Incomplete**
- Jun 26
- August 7
- August 7
- July 17

**Final Examination Periods**
- Given during last class meeting

**On-campus Housing close (noon)**
- June 27
- August 8
- August 8
- N/A

**Grades Due on myUCF**
- July 1
- August 12
- August 12
- July 22

**Grades Available on myUCF (begins 9:00 a.m.)**
- July 2
- August 14
- August 14
- July 23

**Commencement**
- August 8
- August 8
- August 8
- August 8

**NOTE:** Dates are subject to change. Consult the Web Enrollment Guide and online Academic Calendar (http://www.registrar.sdes.ucf.edu/calendar) for information.

All new undergraduate degree-seeking students are required to attend Orientation prior to registration. Information on Orientation is mailed to all students upon acceptance to the University. If possible, examinations should not be scheduled on days or during times of religious holidays. Students are expected to notify their instructor in advance if they intend to observe a holy day of their religious faith. For additional information, contact the Office of Diversity Initiatives (MH 329) at 407-823-6479

1 Ends at 5:00 p.m. on the last day.
2 Summer B payment deadline for all students who register March 23 - May 22; Summer B payment deadline for all students who register May 23 - July 2.
3 $100 Late Registration Fee applies to students who enroll following the close of Registration or who enroll for the first time that term during Late Registration.
4 Incomplete grades must be removed within one year of the last day of the term or prior to graduation from the University, whichever comes first, else they will change to F.
5 Summer Final Exams are given during the last class meeting.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Holiday</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memorial Day Holiday</td>
<td>May 25, 2009</td>
</tr>
<tr>
<td>Independence Day Holiday</td>
<td>July 3, 2009</td>
</tr>
</tbody>
</table>
# 2009 - 2010 FALL/SPRING ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2009</th>
<th>Spring 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>September 1, 2009</td>
</tr>
<tr>
<td>Application Deadline for All New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2009</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2009</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 1</td>
<td>October 30, 2009</td>
</tr>
<tr>
<td>Registration(^1,2) on myUCF</td>
<td>March 23 - August 23</td>
<td>Mar. 23, 2009 - Jan. 10 and Oct. 26, 2009 - Jan. 10(^4)</td>
</tr>
</tbody>
</table>

**Graduation Application**

(Online Intent to Graduate Form for Undergraduates on myUCF)

<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2009</th>
<th>Spring 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing Payment Due</td>
<td>August 7</td>
<td>December 3, 2009</td>
</tr>
<tr>
<td>Registration time for State Employees UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>August 21</td>
<td>January 8</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits, and STEP (begins 3:30 p.m.)</td>
<td>August 21</td>
<td>January 8</td>
</tr>
<tr>
<td>On-campus Housing Opens (1:00 p.m.)</td>
<td>August 21</td>
<td>January 8</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 24</td>
<td>January 11</td>
</tr>
<tr>
<td>Late Registration(^1,2) on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 24-28</td>
<td>January 11-15</td>
</tr>
<tr>
<td>Drop Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 27</td>
<td>January 14</td>
</tr>
<tr>
<td>Last Day for Full Refund on myUCF (ends at 11:59 p.m.)</td>
<td>August 27</td>
<td>January 14</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 28</td>
<td>January 15</td>
</tr>
<tr>
<td>Payment deadline(^1)</td>
<td>September 4</td>
<td>January 22</td>
</tr>
<tr>
<td>CLAST Test (register by Sept. 4-Fall / Jan. 22-Spring)</td>
<td>October 3</td>
<td>February 20</td>
</tr>
<tr>
<td>Academic Advising Weeks</td>
<td>October 12-23</td>
<td>October 12-23, 2009</td>
</tr>
<tr>
<td>Last Day to Reinstate Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>October 16</td>
<td>March 5</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>October 16</td>
<td>March 5</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>October 16</td>
<td>March 5</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline(^2)</td>
<td>November 20</td>
<td>April 2</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete(^3)</td>
<td>December 7</td>
<td>April 26</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 8-14</td>
<td>April 27 - May 3</td>
</tr>
<tr>
<td>On-campus Housing Closes (noon)</td>
<td>December 15</td>
<td>May 4</td>
</tr>
<tr>
<td>Grades Due on myUCF (noon)</td>
<td>December 17</td>
<td>May 6</td>
</tr>
<tr>
<td>Degree Confirmed</td>
<td>December 18</td>
<td>May 7</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 18-19</td>
<td>May 7-8</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 19</td>
<td>May 8</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the Web Enrollment Guide and online Academic Calendar ([http://www.registrar.sdes.ucf.edu/calendar](http://www.registrar.sdes.ucf.edu/calendar)) for information. If possible, examinations should not be scheduled on days or during times of religious holidays. Students are expected to notify their instructor in advance if they intend to observe a holy day of their religious faith. For additional information, contact the Office of Diversity Initiatives (12424 Research Parkway, Suite 169) at 407-823-6479.

1 $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
2 $100 Late Registration Fee applies to students who have not enrolled by the close of Registration.
3 Incomplete grades must be removed within one year of the award date prior to graduation from the University, whichever comes first, else they will change to “F.”
4 Under the Multiple Term Registration procedure, undergraduates with a declared major and UCF GPA of 3.5 or higher will receive their appointment dates and times for Summer 2009, Fall 2009 and Spring 2010 beginning March 2, 2009. Registration for these students will begin on or after March 23. All other eligible students will receive their registration times beginning October 12 and Spring registration for these students will begin on or after October 26.

## University Holidays and Special Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day Holiday</td>
<td>Sept. 7, 2009</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>November 9-14, 2009</td>
</tr>
<tr>
<td>Veteran’s Day Holiday</td>
<td>November 11, 2009</td>
</tr>
<tr>
<td>Thanksgiving Holiday</td>
<td>November 26-28, 2009</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 18, 2010</td>
</tr>
<tr>
<td>Spring Break</td>
<td>March 8-13, 2010</td>
</tr>
<tr>
<td>Founders Day Honors Convocation (classes still held)</td>
<td>April 7, 2010</td>
</tr>
</tbody>
</table>
Undergraduate Academic Policy Statement
The University of Central Florida, may change any of the announcements, information, policies, rules, regulations, or procedures set forth in this Undergraduate Advising Guide and the Undergraduate Catalog. The Undergraduate Catalog is published online once a year and cannot always reflect new and modified regulations. Statements in this Undergraduate Advising Guide and the Undergraduate Catalog may not be represented in the nature of binding obligations on the institution or the University. The sale and service of alcoholic beverages to persons younger than 21 years of age will be subject to disciplinary action for misconduct, which may include termination/expulsion and/or referral for prosecution consistent with local, state and federal law.

Approval Procedures: Student Groups
Prior approval for students or student organizations to host an event where alcoholic beverages are to be sold through the concession and their license. Groups or organizations who seek to sell beer or wine license from the Director of Business Services prior to making application for the license. With approval the license is then to be obtained by the organization from the Alcoholic Beverages and Tobacco Division of the Department of Business Regulations of the State of Florida. Off-campus groups or organizations who seek to serve alcoholic beverages in a location on campus and which does not require a license must obtain prior approval to serve alcohol on campus from the Director of Business Services.

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

- Cheating, whereby non-permissible written, visual, electronic or oral assistance including that obtained from another student is utilized or permitted. Disciplinary action affects student enrollment status. Examples of conduct for which students may be subject to academic and/or disciplinary penalties including expulsion are:
- Plagiarism, whereby another's work is used or appropriated without any indication of the source, thereby attempting to convey the impression that such work is the student's own. Any student failing to properly credit ideas or materials taken from another has plagiarized.
- Commercial Use of Academic Material: Selling notes, handouts, etc. without authorization or using them for any commercial purpose without the express written permission of the University and the Instructor is a violation of this rule.

Note: A student who has assisted another in any of the aforementioned breaches of standards shall be considered equally culpable. In cases of cheating or plagiarism, the instructor may take appropriate academic action ranging from loss of credit for a specific assignment, examination, or project to removal from the course with a grade of "F." Additionally, University has formulated the following policies governing the sale, service and consumption of alcoholic beverages to persons younger than 21 years of age. The serving, possession or consumption of alcohol by individuals of legal age may be permitted in private residential rooms in the residence halls and other on-campus or affiliated housing except in public or common areas. 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.

Locations
The sale of alcoholic beverages to individuals of legal age will be permitted in licensed areas by licensed on-campus distributors. The sale or service of alcoholic beverages to individuals of legal age will be permitted at other select campus locations for catered functions by properly authorized distributors. The serving, possession or consumption of alcohol by individuals of legal age may be permitted in private residential rooms in the residence halls and other on-campus or affiliated housing except in public or common areas. Consumption of alcoholic beverages in public or common areas within on-campus residential units shall follow guidelines provided by their governing organization, and local, state and federal law.

Non-Discrimination Policy
The University of Central Florida values diversity in the campus community. Accordingly, discrimination on the basis of race, sex, national origin, religion, age, disability, marital status, parental status, veteran’s status, and sexual orientation is prohibited. Sexual harassment, a form of sex discrimination, is defined as unwelcome sexual advances, requests for sexual favors, or verbal or physical conduct of a sexual nature when: 1. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or enrollment; 2. Submission to or rejection of such conduct by an individual is used as the basis for employment or enrollment decisions affecting such individual; or, 3. Such conduct has the purpose or effect of substantially interfering with an individual’s work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

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

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

Guidelines
The sale and service of alcoholic beverages to persons younger than 21 years of age is prohibited. Possession or consumption of alcoholic beverages is prohibited by persons younger than 21 years of age. Possession and consumption of alcoholic beverages in open or unsealed containers is prohibited except in designated areas or as approved with special events.
University Notices

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

Student Use of Technology

The University of Central Florida expects all students to have ready access to a personal computer and software appropriate to his or her field of study. Students can meet this expectation by purchasing or leasing a computer, sharing a computer with family or roommates, or using a UCF computer lab.

All UCF students should expect to use a personal computer in many University activities, including coursework, accessing library information, registering for classes, and e-mailing correspondence to instructors or fellow students. In addition, many UCF courses require the use of the Internet.

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

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

Undeclared Policy

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

Student Responsibility for University Communication

UCF uses e-mail as the official means of notifying students of important university business and academic information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items for satisfactory completion of a UCF degree program. The University sends all business-related and academic messages to a student's Knights E-mail address to ensure that there is one repository for that information. Every student must register for, and maintain a Knights E-mail account at http://www.knightsemail.ucf.edu and check it regularly to avoid missing important and critical information from the university. Any difficulty with establishing an account or with accessing an established account must be resolved through the UCF Computer Services Service Desk so that a student receives all important messages.

Additionally, each student must have an up-to-date emergency e-mail address and cell phone number by which to be reached in case of a crisis on campus. This emergency contact information will be used only for emergency purposes. Also, both permanent and local mailing addresses must be on record, so that any physical documents that must be mailed can be delivered.

It is critical that students maintain and regularly check their Knights E-mail account for official announcements and notifications. Communications sent to the Knights E-Mail address on record will be deemed adequate notice for all university communication, including issues related to academics, finances, registration, parking, and all other matters. The University does not accept responsibility if official communication fails to reach a student who has not registered for, or maintained and checked on a regular basis, their Knights E-Mail account. Please ensure that this information is current and that any changes in contact information are made online through the myUCF portal at https://my.ucf.edu/.

Complaint Policy

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

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

Accreditation

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

The University of Central Florida is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award degrees at the associate, baccalaureate, master’s, doctoral, and professional levels. At the undergraduate level, the following programs (disciplines) have been granted accreditation:

**College/Discipline**  **Accrediting Body**

**Arts and Humanities**  
Music, Music Education  National Association of Schools of Music (NASM)

**Business Administration** (all disciplines)  
The Association to Advance Collegiate Schools of Business (AACSB) International

**Education** (all disciplines)  
State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE)

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

Computer Science  Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, and Telephone: (410) 347-7700

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

**Health and Public Affairs**  
Athletic Training  Committee on Accreditation of Athletic Training Education (CAATE)

Cardiopulmonary Science  Committee on Accreditation for Respiratory Care (CoARC)

Health Information Management  Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)

Radiologic Sciences  Joint Review Committee on Education in Radiologic Technology (JRCERT)

Social Work  Council on Social Work Education (CSWE)

**Hospitality Management**  
Hospitality Management  Accreditation Commission for Programs in Hospitality Administration (ACPHA)

**College of Medicine - Burnett School of Biomedical Sciences**  
Medical Laboratory Sciences  National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)

Nursing  Commission on Collegiate Nursing Education (CCNE), Florida Board of Nursing

**Sciences**  
Chemistry  American Chemical Society (ACS) Committee On Professional Training

UCF is listed in Transfer Credit Practices on Designated Educational Institutions with the highest level of credit acceptability. This handbook is published by the American Association of Collegiate Registrars and Admission Officers and lists the acceptability of transfer credits based upon the reporting institutions in the states, commonwealths, territories, and selected international institutions.
of the specified mode of instruction. For information about degree and similar Internet requirements in any course offered by UCF, regardless such as word processing. Students can also expect to encounter These types of courses will require access to the Internet, Web-based instruction and collaboration. Courses may require proctored examinations, and may include opportunities for face-to-face orienta-

"WORLD WIDE WEB (W): These courses conducted fully via Web-related instruction. Students can also expect to encounter similar Internet requirements in any course offered by UCF, regardless of the specified mode of instruction. For information about degree and certificate programs available online, visit http://online.ucf.edu or write to online@ucf.edu.
### University of Central Florida/Campuses

#### Resources & Departments

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coordinator, Administrative Services</td>
<td>Thomas Drake</td>
</tr>
<tr>
<td>Associate Director, Head of Partnership, Library Services</td>
<td>Cynthia Kisby</td>
</tr>
<tr>
<td>Senior Art Specialist</td>
<td>Mary Lou Wade</td>
</tr>
</tbody>
</table>

#### Central Region

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

- **Director, Academic Support Services**: Edgar Martinez
- **Coordinator, Academic Support Services**: Carolyn Obexer
- **Coordinator, Academic Support Services**: Nick Pantoni
- **Coordinator, Academic Support Services**: Lisa Cruz
- **Coordinator, Enrollment Services**: TBA
- **Coordinator, Regional Campus Enrollment Services (Financial Aid)**: Shellie Thomas-Small

#### Eastern Region

**UCF Daytona**

- **Assistant Vice President and Director, Daytona Beach Campus**: Linda Bradley
- **Associate Director, Academic Support Services**: Tena Harris
- **Director, Regional Campus Student Services**: Diana Weidman
- **Assistant Director, Enrollment Services**: Raphael Robinson
- **Senior Administrative Support Services**: Angel Edgecombe
- **Coordinator, Financial Aid**: Heidi Shaw
- **Coordinator, Academic Support Services**: Tina Davis
- **Coordinator, Academic Support Services**: Darryl Greely
- **Coordinator, Academic Support Services**: Kevin Snyder
- **Coordinator, Computer Technology**: Jason Mayer

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

- **Associate VP and Director, UCF Sanford/Lake Mary, UCF Heathrow, and UCF Altamonte Springs**: David Meador
- **Associate Director, Academic Support Services**: Sean Armstrong
- **Coordinator, Enrollment Services**: Pamela Williams
- **Coordinator, Academic Support Services**: Jackie West-Lee
- **Coordinator, Academic Support Services**: Michelle Camden
- **Computer Specialist**: Russell Crudington

#### Southern Region

**UCF Cocoa, UCF Palm Bay**

- **Associate VP Academic Affairs, and Interim Campus Director, Cocoa/Palm Bay**: Denise Young
- **Director, Regional Campus Student Services**: Terry Exum
- **Coordinator, Regional Campus Student Services**: James C. Smith, Jr.
- **Assistant Director, Enrollment Services**: TBA
- **Assistant Director, Academic Support Services**: Marilyn Borges
- **Coordinator, Academic Support Services**: Jackie West-Lee
- **Coordinator, Academic Support Services**: Sheryl Schagen
- **Coordinator, Computer Technology**: Sue Sorenson
- **Computer Specialist**: Russell Crudington

#### Western Region

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

- **Assistant Vice President, Academic Affairs**: Cecelia Rivers
- **Associate Director, Academic Support Services**: Tanya Armstrong
- **Director, Regional Campus Student Services**: Pamela Brady
- **Assistant Director, Regional Campus Enrollment Services**: Christy Pasnisin
- **Coordinator, Regional Campus Enrollment Services**: TBA
- **Coordinator, Academic Support Services**: Selena Forrester
- **Coordinator, Academic Support Services**: Robin Tinsley
- **Coordinator, Academic Support Services**: Bethany Larson
- **Coordinator, Academic Support Services**: Scott Larson
- **Coordinator, Computer Technology**: Mei Wong

#### UCF Cocoa

- **321-433-7823**
  - **In partnership with Brevard Community College**
  - **Undergraduate Degree Programs**
  - **Applied Science (B.A.S.) Office of Undergraduate Studies**
    - Tracks: Early Childhood Education, Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, Legal Studies, and Supervision and Administration
    - Business Administration and Computer Science
  - **Business Administration (B.A.) College of Business Administration**

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

- **Criminal Justice (B.A., B.S.) College of Health and Public Affairs**
- **Elementary Education (B.S.) College of Education**
- **Engineering Technology: Operations (B.S.E.T.) College of Engineering and Computer Science**

### Exceptional Student Education (B.S.) College of Education

- **History (B.A.) College of Arts and Humanities**
- **Interpersonal/Organizational Communication (B.A.) College of Sciences**
- **Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies**
- **Legal Studies (B.A., B.S.) College of Health and Public Affairs**
- **Mathematics Education (B.S.) College of Education**
- **Nursing (B.S.N., R.N. to B.S.N.) College of Nursing**
- **Political Science (B.A.) College of Sciences**
- **Psychology (B.S.) College of Sciences**
- **Sociology (B.A.) College of Sciences**
- **Social Science (B.S.) College of Sciences**
- **Social Science Education (B.S.) College of Education**

### Undergraduate Minors

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

### Graduate Degree Programs

- **Applied Sociology (M.A.) College of Sciences**
- **Criminal Justice (M.S.) College of Health and Public Affairs**
- **Educational Leadership (M.Ed.) College of Education (Cohort)**
- **Health Sciences: Health Services Administration (M.S.) College of Health and Public Affairs**
- **Industrial Engineering and Management Systems (M.S.) College of Engineering and Computer Science (Cohort)**
- **Public Administration (M.P.A.) College of Health and Public Affairs**
- **Reading Education (M.Ed.) College of Education (Cohort)**

#### UCF Daytona Beach

- **386-506-4021**
  - **In partnership with Daytona Beach College**
  - **Undergraduate Degree Programs**
  - **Applied Science (B.A.S.) Office of Undergraduate Studies**
    - Tracks: Early Childhood Education, Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, Legal Studies, and Supervision and Administration
  - **Business Administration (B.A., B.S.) College of Business Administration**
  - **Criminal Justice (B.A., B.S.) College of Health and Public Affairs**
  - **Early Childhood Education (B.S.) College of Education**
  - **Elementary Education (B.S.) College of Education**
  - **Exceptional Student Education (B.S.) College of Education**
  - **Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies**
  - **Legal Studies (B.A., B.S.) College of Health and Public Affairs**
  - **Mathematics Education (B.S.) College of Education**
  - **Nursing (B.S.N., R.N. to B.S.N.) College of Nursing**
  - **Photography (B.S.) College of Arts and Humanities**
  - **Political Science (B.A.) College of Sciences**
  - **Psychology (B.S.) College of Sciences**
  - **Social Science (B.S.) College of Sciences**
  - **Social Science Education (B.S.) College of Education**
  - **Technical Education and Industry Training (B.S.) College of Education**
Undergraduate Minors
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Early Childhood Education
English - Writing
Exceptional Education
Health Services Administration
History
Interpersonal Communication
Legal Studies
Math
Organizational Communication
Political Science
Psychology
Religious Studies
Social Science - Interdisciplinary
Sociology

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

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

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

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

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

Undergraduate Degree Programs
Industrial and Organizational Psychology (M.S.) College of Sciences
(Cohort)

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

UCF Ocala
352-854-2322, ext. 1818
(In partnership with Central Florida Community College)

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

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

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

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

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

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

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, Legal Studies, Supervision and Administration
University of Central Florida/Campuses

RESOURCES & DEPARTMENTS

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

Undergraduate Minors

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

UCF South Lake
362-536-2113
(In partnership with Lake Sumter Community College)

Undergraduate Degree Programs

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

Undergraduate Minors

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

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

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

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

Undergraduate Degree Programs

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

Graduate Degree Programs

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

Undergraduate Minors

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

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

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

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

Central Florida Research Park

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

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

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

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

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

Endowed Chairs

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

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

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

Carl H. Galloway Chair for Excellence in Business: Created in 1986 to honor Carl Galloway, a pioneer in telecommunications. The purpose is to enhance scholarly activity in teaching and research in the College of Business Administration. Chair: Kevin Haran.

The Cobb Family Eminent Chair in Optical Sciences and Engineering: Created in 1988 to support the work of an internationally recognized scholar in laser and optical sciences. Chair: TBA.

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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 education. Chair: TBA.

Ali and Nancy Burnett Eminent Scholar Chair in Accounting: Created in 1989 to support an exceptional faculty member in the School of Accounting. Chair: Robin W. Roberts.

Bert Fish Memorial Eminent Scholar Chair: Created in 1990 to establish an endowed chair in nursing education. This is the first chair to be established at the Daytona Campus. It is designed to improve nursing education and ease the shortage of nurses. Chair: Angeline A. Bushy.


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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

University Ombuds Office

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

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

The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and 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 are part of this office as is the Office of Academic Services. Also reporting to the Dean of Undergraduate studies are the Office of Experiential Learning, the Faculty Center for Teaching and Learning, The Bridges Office and the Office of Undergraduate Research, The Dean serves as the final appeal for all undergraduate academic appeals.

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

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

International Services Center
Director: Nataly Chandi; CMMS (Building #81); 407-823-2337 http://www.intl.ucf.edu/

The International Services Center (ISC), a unit of the Division of Graduate Studies, offers assistance and information to the University of Central Florida international community. The ISC provides leadership, advocacy and support services for current international students, scholars and employees at the University of Central Florida, as well as assistance in adjusting to a new academic environment and culture. Furthermore, ISC has and will devote its efforts, plans and processes to ensure legal compliance with federal regulations, so international populations can maintain their status. Services provided by ISC include issuing necessary documents to facilitate visa issuance abroad for international student applicants, transfer procedures, employment authorization for students and scholars, H1B visa holders’ immigration advice by professional lawyers, and international taxation assistance. The ISC is committed to providing accurate, updated and timely information on issues and needs pertinent to international students, scholars, and employees. Another important role of the Center is to enhance international awareness and cross cultural understanding through educational, cultural and social programs and activities.
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UCF Public Safety and Police
Chief: Richard Beary; Building #49, Libra Drive; 407-823-5242
http://www.police.ucf.edu/

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

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

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

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

The Community Relations Division (407-823-0258) offers crime prevention seminars regarding the protection of personal property, personal safety, and identity theft. The Community Relations Division manages the Safe Escort Patrol Service (SEPS) 407-823-2424, providing a safe escort for all individuals on campus.

The Victim Services Unit, located at University Towers, Ste. 450, 12201 Research Parkway, (the main office number: 407-823-2425; provides services for: 1) advocacy and practical assistance; 2) information and referrals; and 3) educational programming.


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

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

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

Associate Director for Administrative Services: Frank R. Allen; LIB 512; 407-823-2892
Associate Director for Public Services: Meg K. Scharf; LIB 512; 407-823-2564
Assistant Director for Systems & Technology: Selma K. Jaskowski; LIB 512; 407-823-5444


University Libraries offers a variety of information resources and services. An extensive resource collection includes 1.9 million volumes, 18,000 journal subscriptions, 3 million microforms and 47,000 media titles. The Libraries’ rapidly growing electronic resources include 358 databases, 197,000 e-books, and 11,500 electronic journals. UCF Libraries is a partial depository for United States, Florida government publications and U.S. patents and trademarks. The main library is open 105 hours per week. Operating hours are available on the Web site: http://library.ucf.edu or by calling 407-823-2756. Over 220 computer workstations are available for public use on all five floors of the main campus library. Forty laptops equipped with wireless cards can be checked out for use anywhere in the library building. Wireless technology enables patrons who have laptops with wireless cards to connect to the Libraries’ electronic resources and to the Internet from anywhere in the building. Twenty eight group study rooms are available, one practice room and 14 individual offices. The main library has two classrooms outfitted with 43 computer workstations for hands-on instruction in the use of electronic resources. Infusion, the Libraries’ newest learning space, offers food and beverage items, 34 desktop PCs, comfortable seating areas, closed caption television, and a browsing collection for leisure reading.

The Libraries’ web-based catalog can be accessed from any public or home PC, and offers a gateway to hundreds of electronic databases, journals and e-books. For help and advice in the use of resources and materials, the Reference Desk is open most library hours. Individual appointments can also be made for in-depth research consultation. The web site http://library.ucf.edu/ask/ connects students with Ask a Librarian, a library web page for questions, and Instant Messaging, e-mail, telephone at 407-823-2562, or toll-free at 866-271-7589. The Libraries supports the development of information literacy skills in UCF students through the provision of InfoLit modules, http://infoll.ucf.edu/, which provide just-in-time instruction for students on topics such as citing resources and plagiarism. Faculty may include the modules in coursework as well.

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

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

Primary source material from Special Collections and the University Archives http://library.ucf.edu/SpecialCollections/ supports the research, teaching, and service of the UCF community. These special materials include books, manuscripts, historic public records, ephemera, photographs, art and more. The Libraries’ digitization projects http://library.ucf.edu/Systems/DigitalCollections/ continue to make more of these unique materials available on the Web. The Libraries partners with other libraries and local institutions through Central Florida Memory, Florida Heritage, Digital Library of the Caribbean, and similar web-based projects to provide digital access to special and historic images and documents.

The Curriculum Materials Center (CMC), a unit of University Libraries, is located in the College of Education Building (COE). The CMC provides representative K-12 curriculum materials for preview, review, analysis and circulation. Although the CMC primarily serves COE students and faculty, it is open to all campus faculty, staff, and students. For more information see the CMC web page at http://library.ucf.edu/cmc or call 407-823-2791.
For additional information go to volleyball, tennis. Women's sports include basketball, cross-country, golf, row-sports for men include baseball, basketball, golf, football, soccer, are governed by the rules of play published by NCAA and all estab-
lished eligibility standards are observed. UCF’s current intercollegiate sports for men include baseball, basketball, golf, football, soccer, tennis. Women’s sports include basketball, cross-country, golf, row-
ing, soccer, softball, outdoor and indoor track and field, tennis, and volleyball.

Regional Campus Libraries collections and services are available through partner libraries in Cocoa, Palm Bay, Daytona Beach, Clermont, Sanford/Lake Mary, Ocala, Kissimmee, Leesburg, and Metro West. The university partners with local community col-
leges to provide complete information services. Two examples of Web sites customized for Regional Campus needs are the Services for Distance Learners page http://library.ucf.edu/Services/ DistanceServices.asp and the Regional Campus Libraries page http://library.ucf.edu/BranchCampuses/locations.asp. UCF librarians provide in-person service at partner campuses in Cocoa, Palm Bay, Daytona, Clermont, and Sanford as well as at other partner sites by appointment.

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

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

The Office of Instructional Resources (OIR) supports UCF with multimedia design and production, digital media, Webcasting, video streaming, interactive video course delivery (ITV), video production, digital photography, graphics, and a full range of multimedia class-
room support services. OIR’s Faculty Multimedia Center (CL 202) provides production and training of multimedia resources for faculty members. OIR’s interactive video classroom (CL 320) is used for vid-
eoeconferencing and ITV course origination. OIR supports more than 490 advanced multimedia classrooms throughout UCF. Approximately 95% of all classrooms at UCF are multimedia equipped. OIR also provides videoconferencing services. All Regional Campus sites, the Center for Distributed Learning in the Partnership II build-
ing, the Rosen College campus, and several locations on the Orlando campus have videoconference rooms. Contact OIR for further details at http://www.oir.ucf.edu/ or 407-823-2571.

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

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

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

Programs in Intercollegiate Athletics are coordinated by coaches and staff of the UCF Athletics Association, Inc. under the general super-
vision of the Director of Athletics, who reports to the president. The University of Central Florida is a member of the National Collegiate Athletic Association (NCAA), Division I, competes in all sports (except women’s rowing) in Conference USA. Intercollegiate sports for men are governed by the rules of play published by NCAA and all estab-
lished eligibility standards are observed. UCF’s current intercollegiate sports for men include baseball, basketball, golf, football, soccer, tennis. Women’s sports include basketball, cross-country, golf, row-
ing, soccer, softball, outdoor and indoor track and field, tennis, and volleyball.

Graduation Rate Disclosure
The completion or graduation rate is the rate at which full-time, certificate-seeking or degree-seeking undergraduate students who are enrolling for the first time at the institution, and who have not pre-
viously enrolled at any other institution of higher education, graduate from UCF programs. The 6-year graduation rate for the Fall 2002 full-
time cohort is 63 percent. The retention rate for Summer-Fall full-time 2007 students is 85.5 percent. The information is public and available for review on the Institutional Research Web site.

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

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

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

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

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

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

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

Transportation Services
Through the efforts of the Department of Parking and Transportation Services, UCF constituency has varied transportation options to, from, and around the campus. The UCF Shuttle provides transit needs for students residing in 15 off-campus apartment communities, as well as numerous locations in Central Florida Research Park. Normal operat-
ing hours range from 6:30 a.m. to 10:30 p.m.

UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 13 stops on campus. They oper-
ate continuously from 7:00 a.m. until 7:00 p.m. during the fall and spring semesters, and from 7:00 a.m. to 4:00 p.m. during the summer semesters.

An inter-campus transportation service is provided between the UCF main campus and the Rosen College of Hospitality Management. It makes nine round-trip runs between 6:45 a.m. and 9:00 p.m., Monday through Thursday, during the Fall and Spring semesters, and seven round-trip runs between 7:00 a.m. and 7:45 p.m. during the summer semesters.

These services are free to all UCF students, faculty, and staff mem-
ers, and operate on all class days, including exam weeks. Please refer to the webpage at http://parking.ucf.edu/Shuttle.html or call 407-
823-2131 for detailed information.

In addition, three LYNX bus routes, Links 13, 30, and 47, serve the UCF campus from Oviedo, Downtown Orlando, Valencia Community College, and East campus. Commuters may connect to most any-
where in the Greater Orlando area. The LYNX buses normally operate at 30 to 60 minute intervals. Route maps may be obtained at the UCF Visitors Information Center and the Information Kiosk at the Student
Union. Further details, including rates and information on special passes, may be obtained by calling LYNX at 407-841-8240, or from their Web site, http://golynx.com.

Orlando Shakespeare Theater in Partnership with UCF
Artistic Director: Jim Helsinger; 812 E. Rollins St., Suite 100, Orlando FL 32803; E-mail: jimh@orlandoshakes.org http://www.orlandoshakes.org
The Orlando Shakespeare Theater in Partnership with UCF, is Central Florida’s professional classical theater. An AEA union company, the theater presents a signature series of Shakespeare and other plays, a theater for young audiences series, The Harriett Lake Festival of New Plays, and innovative educational programming that includes summer camps, a summer high school performance group, and the K-12 “Shakespeare Alive” and Shakesperience programs. Performances are presented in Margeson, Goldman and Mandell Theaters at the Lowndes Shakespeare Center in Loch Haven Park.
The theater has achieved a position of national recognition, attracting artists from across the country. The theater has been featured in national publications such as Southern Living, Theater Week, Backstage, American Theater, Stage Directions and Southern Theater. The third year of UCF’s Acting MFA in Theatre is spent in residence at the theater. Internships and independent studies for UCF undergraduates are also available with the theater in many departments. $10 rush tickets are available for UCF students 1/2 hour before performances with student ID. To purchase tickets, contact the box office at 407-447-1700. For internship information and other questions, contact Artistic Director Jim Helsinger.

UCF Alumni Association
Executive Director: Tom Messina; FAIRWINDS Alumni Center; 407-UCF-ALUM (823-2586) or 800-330-ALUM (330-2586) http://www.ucfalumni.com
The University of Central Florida Alumni Association develops and maintains alumni awareness and supplies the resources for members to stay connected. While UCF alumni comprise the core member group, membership in the UCF Alumni Association is offered during all phases of UCF life. Students can join the 4EVER KNIGHTS (4EK) Student Alumni Association and parents of UCF students can stay connected through parent memberships with the alumni association. Membership in 4EK provides many benefits, including:

- FREE STUFF - membership key card, Student Connection newsletter and discounts including 15% off all UCF logo merchandise at the UCF Bookstores
- FUN - Family Weekend, BBQ’s, Homecoming, Oozeball and more
- CONNECTIONS - Networking with UCF students & alumni
- LEADERSHIP OPPORTUNITIES - Eligible to become a student ambassador
- SCHOLARSHIP OPPORTUNITIES - the alumni association awards more than $40,000 in scholarships to eligible UCF students every year.
To join the UCF Alumni Association as an alum, student or parent member, or for more information, stop by the UCF Alumni Association at the FAIRWINDS Alumni Center; call 407-UCF-ALUM (823-2586); toll-free 800-330-ALUM (330-2586); or connect anytime at http://www.ucfalumni.com.

UCF Foundation, Incorporated
The UCF Foundation, Incorporated is a non-profit, tax-exempt corporation directed by a 44 member community-based Board of Directors that encourages, solicits, receives, and administers private gifts and bequests of property and funds for scientific, educational, and charitable purposes. All gifts to UCF are received and processed through the UCF Foundation for support of the University. Call 407-882-1220 for additional information.
DIVISION OF STRATEGY, MARKETING, COMMUNICATIONS, AND ADMISSIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The Office of Transfer Admission, Enrollment Services and Marketing works in partnership with the Division of Strategy, Marketing, Communications, and Admissions to provide services to the Regional Campus students. The Office centralizes multiple functions with multiple sites to accommodate the access, convenience and value of attending the UCF Regional Campuses for degree completion.

Student Financial Assistance
Assistant Vice President: TBA; MH 120;
407-823-2827
http://financialaid.mca.ucf.edu

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

Student Outreach Programs
Director: Rhonda Hall; Orlando Tech Center, 12479 Research Parkway, Bldg. 600, Suite 215, Orlando 32826; 407-823-5580
http://www.reachout.ucf.edu

The primary mission of Student Outreach Programs is to attract, motivate, and prepare underrepresented students from the local area...
to complete a college education. These students are provided with essential information, educational materials, and collegial experiences to enhance their preparation for post-secondary study, through the efforts of two programs.

The College Reachout Program (CROP) is supported by the Florida Department of Education and provides campus and school-based programs to strengthen the skills and likelihood of college success of participating students in grades 6-12, and the UCF Achievers Program, formerly the McKnight Center of Excellence, is supported by the Florida Education Fund and offers academic support and direct access to community-based programs for participating students in grades 6-12.

**Television Services**

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

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

**Undergraduate Admissions**

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

The Office of Undergraduate Admissions coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, non-degree, and non-Florida state university transient students to the Orlando, Cocoa, South Lake, and Daytona campuses. The office’s primary mission is to identify, attract, and enroll talented, diverse, and academically qualified students who will contribute to and achieve growth and success at the University of Central Florida.

Office hours are: Monday/Thursday 9 a.m. to 7 p.m., Tuesday/Wednesday/Friday 9 a.m. to 5 p.m.

**University Analysis and Planning Support**

Director: Sandra Archer; Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-882-0285 http://www.uaps.ucf.edu

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

**University Marketing**

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

University Marketing is a full-service integrated communications and marketing department whose staff is comprised of award-winning graphic design and copywriting professionals.

University Marketing works with UCF clients to reach their goals through counsel and development of important, reputation-building materials. In addition to working with internal clients, University Marketing extends its reach to metro Orlando and beyond through its branding efforts. Under the umbrella-themed “UCF Stands For Opportunity,” the unit increases the university’s visibility and enhances its reputation by distributing key UCF messages in various media including print, television, radio, and Internet.
Division of Student Development and Enrollment Services

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

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

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

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

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

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

The Office of Academic Services for Student-Athletes works in collaboration with the Athletics Department to assist student-athletes in their efforts to establish and achieve their personal, academic, NCAA Division I academic-athletic eligibility, and career planning goals. ASSA services include:
- Providing transition services that promote the academic success of student-athletes;
- Guiding student-athletes in their selection of meaningful and appropriate major and minor fields of study;
- Assisting student-athletes with course registration, understanding of policies and procedures, and tracking progress towards degree completion;
- Organizing study halls, academic mentoring, and tutorial services;
- Assisting student-athletes in their personal development through participation in the NCAA CHAMPS Life-Skills Program;
- Directing students to utilize the full spectrum of other University services;
- Preparing student-athletes in their career planning and development;
- Assisting learning-disabled student-athletes with assessments and accommodations; and,
- Providing student-athletes with computer access and services.

Activity and Service Fee Business Office
Director: Joseph Sciarrino; SU 215; 407-823-5548
http://www.asf.ucf.edu

The Activity & Service Fee Business Office provides a variety of services to UCF students. The office processes purchase requests for most Activity & Service Fee Agencies and all Student Government allocations. We provide financial training workshops to student organization officers and their faculty/staff advisors. The office also provides a variety of equipment for check out to any student free of charge.

In addition, our office manages the operation of the Student Government Computer Lab, which is located in SU 209. The Student Government Computer Lab has 42 computer stations available and provides free printing to currently enrolled students. Our office also manages the Student Government Ticket Center which sells a variety of discounted tickets to local amusement parks and movie theaters, and is also an authorized TicketMaster Retail Outlet.

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

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

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

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

AOD Policy Information:

Standards of conduct and disciplinary sanctions will be imposed for the unlawful possession, misuse or distribution of illicit drugs and alcohol by UCF students and employees on UCF property or as part of any of its activities. The unlawful manufacture, distribution, dispensation, possession or misuse of a controlled substance, prescription medication or the unlawful possession and use of alcohol is harmful and prohibited in and on UCF owned and controlled property or as part of any of its activities. Any UCF employee or student determined to have violated this policy shall be subject to disciplinary action for misconduct, which may include termination/expulsion and referral for prosecution. No employee/student is to report to work/class or attend any university activity while under the influence of illegal drugs or alcohol. Violation of these policies by an employee/student will be reason for evaluation/treatment for drug/alcohol disorder and/or for disciplinary action up to and including termination/expulsion and/or referral for prosecution consistent with local, state and federal law.

The sale, service, possession and consumption of alcoholic beverages shall comply with state and federal laws, city and county ordinances, and the licensing agreement with on-campus distributors which allows for the sale and service of alcoholic beverages. In addition, the university has formulated the following policies governing the sale, service, possession and consumption of alcoholic beverages on campus. For more information regarding Alcohol/Drug Policy, visit http://www.goldenrule.sdes.ucf.edu/14_Drug_Free.html.

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

This office provides the Vice President and units of Student Development and Enrollment Services assistance in assessment, research and planning functions. The office also is responsible for the development of division-wide publications.
**Counseling Center**

**Director:** Stacey Pearson; COUN; 407-823-2811

http://www.counseling.sdes.ucf.edu

The Counseling Center serves enrolled UCF students, who seek assistance with mental-health related concerns, and the broader campus community by offering a wide variety of programs in direct support of the university mission. The Center is comprised of a professional staff consisting of psychologists, marriage and family counselors, mental health counselors, social workers, and counselors in training who provide a confidential atmosphere and a safe environment in which students may explore and resolve issues of concern. The Center also provides advanced training and supervision for graduate students in counseling. The Center is open Monday through Friday. Services offered by the Center include:

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

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**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 learning experience educational program for children ages 2-5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC). The daily program is planned and conducted by degreed teachers. The program provides a wide variety of experiences in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned and spontaneous field trips and special family programs are part of the yearly schedule. Experiences in observation and training in academic areas also are made available to university students. Opportunities for educational research are available to university faculty, undergraduate and graduate students. The school enrolls children of university students, employees of the university, and community members. Operating hours are 7:30 a.m. to 5:30 p.m., Monday through Friday.

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**Academic Exploration Program (AEP)**

**Director:** Joe Ritchie; PH 218; 407-823-5105

http://www.orientation.sdes.ucf.edu

The Academic Exploration Program has been developed to provide structured experiences to assist students who have not declared a major. Students are provided major exploration and career development connections as primary advising initiatives so they can make an informed decision on their future major at UCF. AEP has several components including coordinated academic advising services from a first year advising office, major and career exploration programming activities, and online assessments. The program services are also available to first-year students who are unsure about their major choice and to those considering a change of major.

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**First Year Advising and Exploration (FYAE)**

**Director:** Gloria Laureano; PH 116; 407-823-3789

http://firstyear.sdes.ucf.edu

UCF recognizes that starting in a new learning environment can present many challenging life transitions for incoming freshmen students. First Year Advising and Exploration has been established to prepare and advise first-time-in-college students (not assigned to other first year advising offices). The overriding mission of the office is to assist first-year students by providing numerous academic advising support services and other programs that will lead to their overall satisfaction, success and retention at UCF. Students who have not selected a major (Undeclared students) are provided focused advising support services through the Academic Exploration Program to assist them in the major selection process.

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, individual appointments, outreach programs, and e-mail and phone communication. The office focuses its efforts on providing proactive academic advising support, establishing early and regular communication, and providing outreach advising activities for first year students residing in both on- and selected off-campus facilities. FYAE also offers academic advising at their satellite locations 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.

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**University of Central Florida**

2009-2010 Undergraduate Catalog

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As an incentive to encourage first-year students to participate in programs, freshmen receive points for each LINK program in which they participate. These points are known as "LINK Loot." Students receive LINK Loot points at the beginning or end of each LINK program. First-year students can use their LINK Loot points to bid on prizes at the LINK Auction, held at the end of each semester. These points do not roll over between semesters in order to give students a fresh opportunity to get involved at the beginning of each new semester. In the past, prizes have included a $1000 tuition scholarship, laptop computer, Nintendo Wii, television, iPods, theme park tickets and much more.

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

**Fraternity and Sorority Life**

**Director:** Belinda Boston; SU 154; 407-823-2072

(Greek Council Office, SU 154, 407-823-2072)

http://www.greeklife.sdes.ucf.edu

The Fraternity and Sorority Life office is committed to providing the best possible fraternity and sorority experience for students and the university community. This office fosters and promotes the development of national fraternities and sororities by providing advising, services, and programs to ensure all members engage in high-quality undergraduate fraternal experiences that reinforce the organization’s founding principles: scholarship, community service, campus involvement, and interdependence. It encompasses small group living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council, Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

Sororities or fraternities can offer students a “home away from home,” a scholastic support system, networking opportunities, an organization for community service, hands-on experience in running a working entity, and a foundation for long-lasting friendships. Currently we have 44 fraternities and sororities on UCF’s campus with more than 3,000 active Greek students. Greek organizations give college men and women a chance to excel in any area they choose and include students of every race, religion, culture, and background.

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

**Health Services**

**Director:** J. Robert Wirag; HC 309; 407-823-2094

http://hs.ucf.edu

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

The nationally accredited primary care program is staffed by Board-certified physicians, advanced registered nurse practitioners, physician assistants, registered nurses, licensed practical nurses, certified medical assistants, pharmacists, and a full complement of other medical support personnel who provide laboratory and radiology services. The state-of-the-art 50,000 square-foot Health Services building is centrally located on the UCF Orlando main campus. And for the benefit of the 2,000 students living near The Arena, Knight Aide provides convenient access to satellite pharmacy, O.T.C products and other consumer products. Students at the Rosen College of Hospitality Management have the option of health care services at the Rosen Medical Clinic close to campus or at UCF HS on the Orlando campus.

Medical conditions that require specialty care services are referred to specialists in the greater Orlando area or to specialists according to the patient’s preference. Most office consultations and programs are covered. However, laboratory tests, x-rays, medications, allergy maintenance (co-pay), flu shots, immunizations and some procedures and supplies require additional but significantly reduced payments, which may be made with cash, credit card, personal check, or charged to the student’s account.

The UCF HS Insurance office staff will assist students file claims with their medical insurance company. Currently, UCF HS physicians are network providers with BCBSFL, United Healthcare, and Aetna. This entitles faculty, staff, and students to use UCF HS providers for their primary care needs and realize cost savings through covered services.

An optional health and accident insurance plan for students by Aetna Student Health Insurance (www.aetnastudenthealth.com) that is endorsed by UCF may be purchased by response to periodic mailers or by calling the UCF HS Insurance office (407-823-8426). This voluntary plan is separate from the health fee students are required to pay each semester. However, when purchased, the insurance will cover most of the Health Services charges and also provides benefits for services that are beyond the scope of the campus Health Services program, such as hospital referrals and specialty care (subject to co-pays and deductibles). Charges incurred outside the Health Center are the responsibility of the student, including transport by ambulance.

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

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

**Wellness Center**

**Assistant Director for Health Promotion:** Peter Mastroianni; RWC 111; 407-823-5841

http://www.hs.sdes.ucf.edu/wellness/

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

Program topics include good nutrition on a student budget, relaxation strategies for busy students, weight management, body image and sexual issues. These can be scheduled in residence halls, club meetings, classes and at the Wellness Center.

Free and low-cost services include the Comprehensive Health Assessment and Motivation Program (CHAMP), licensed massage therapy, biofeedback, relaxation therapy, nutrition workshops and drop-in appointments with a registered dietitian/nutritionist, confidential and anonymous HIV testing, and body fat and blood pressure checks.

Many participants can earn "LINK Loot."

**Housing and Residence Life**

**Director:** Christi Hartzler; HAB; 407-823-4663

http://www.housing.ucf.edu

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

Students can apply for housing after being admitted to the university. The online application process is available through myUCF. There is a non-refundable housing deposit for all first-year students. Therefore, those first-year students desiring to live on-campus should apply as soon as possible. Application periods include fall/spring academic year agreements with a separate application for summer or 11.5 month annual agreement.

Housing choices range from studio style residence halls to single bedroom apartments. Most first-year students who apply for academic year contracts will receive assignments in double room style residence halls. Single bedrooms in apartments are available in the Towers at Knights Plaza located on the Orlando main campus or the Rosen College of Hospitality Management Student Apartments.

More information on the different housing options, rates, floor plans, etc. is available online at http://www.housing.ucf.edu.

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

**LEAD Scholars Program**

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

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

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

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

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

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

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

**Director:** Wayne Jackson; PH 102; 407-823-2716  
http://www.mass.sdes.ucf.edu

The Office of Multicultural Academic and Support Services provides comprehensive academic support, cultural enrichment, consultation, and referral services that promote the recruitment, admission, retention, and graduation of multicultural and First Generation College Students. MASS offers personalized advising and support; monitors academic progress; sponsors a six-week summer program; Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother mentoring program; and designs and coordinates cultural and social activities to assist students in realizing their academic, career and personal goals. MASS serves as the focal point of attention in addressing the specific needs, issues and concerns that confront multicultural and First Generation College Students at UCF.

**Off-Campus Student Services and Student Neighborhood Relations (OCSS-SNR)**

**Assistant Vice President and Director:** Kerry Welch; SU 208; 407-823-6471  
http://www.housing.ucf.edu/offcampus/

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

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

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

**Office of Student Involvement**

**Director:** James Wilkening; RWC; 407-823-2408  
http://www.rec.ucf.edu

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

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

**Recreation and Wellness Center**

**Director:** Kerry Welch; RWC; 407-823-2408  
http://www.rec.ucf.edu

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

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

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

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

**RWC Park:**
- Three lighted artificial turf fields
- 106 yard baseball field
- Nine acre multipurpose field
Division of Student Development And Enrollment Services

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

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

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

Fitness
The Fitness program promotes health and wellness in many ways.
- Group Exercise classes including Yoga, Pilates, Spanning, traditional aerobic and resistance classes and assist participants in improving their cardio respiratory fitness while also building strength and endurance.
- Personal Training and Fitness Assessment services are available to assist in evaluating fitness levels and providing guidance to reach or maintain fitness and wellness goals.

Assistant Vice President:
Regional Campuses Student Services
Director, Student Services, Eastern Region: Diana Weidman
Director, Student Services, Southern Region: Pamela Brady
Director, Student Services, Western Region & Central Region: Pamela Brady

Graduate students working towards a degree in physical therapy have teamed up with the Recreation and Wellness Center to provide this opportunity to students with disabilities.

Intramural Sports
The Intramural Sports program offers the opportunity to participate in more than fifty action-filled team, dual, and individual sports, including perennial favorites flag football, basketball, soccer, and floor hockey.

Sport Clubs
The Sport Clubs program is an agency of the UCF Student Government Association (SGA) and is advised by the Sport Club Staff at the UCF Recreation & Wellness Center (RWC). Each sport has a Registered Student Organization (RSO) with the Office of Student Involvement (OSI).

The Sport Clubs program is an agency of the UCF Student Government Association (SGA) and is advised by the Sport Club Staff at the UCF Recreation & Wellness Center (RWC). Each sport has a Registered Student Organization (RSO) with the Office of Student Involvement (OSI). Sport Clubs exist to promote and develop interest in a particular sport activity. Interests may be competitive, recreational, instructional or any combination of the three. Participation in Sport Clubs is strictly voluntary. As RSO's, clubs are developed by students for students under the supervision of the Recreation & Wellness Center. The Sport Club staff of the RWC believes that involvement in the Sport Clubs program enhances development, leadership, and the overall college experience for students by supplementing skills learned in the educational realm. There are currently 94 active Sport Clubs including: Badminton, Baseball, Bowling, Brazilian Ji-Jitsu, Butokukan, Crew, Cuong-Nhu, Fencing, Ice Hockey, Karate, Kendo, Kiteboarding, Lacrosse, Mixed Martial Arts, Rock Climbing, Roller Hockey, Rugby, Soccer, Softball, Surf, Swimming, Table Tennis, Tennis, Tri-Knights, Ultimate Frisbee, Volleyball, Water Polo and Wrestling.

Regional Campuses Student Services
Assistant Vice President: A.J. Range; University Tower, Suite 101, 12201 Research Parkway, Orlando, FL 32826 407-823-4547;
Director, Student Services, Eastern Region: Diana Weidman
Director, Student Services, Southern Region: Terry Exum
Director, Student Services, Western Region & Central Region: Pamela Brady

The UCF Daytona (386-506-4024 or erss@mail.ucf.edu), UCF Cocoa (321-433-7950 or srs@mail.ucf.edu), and UCF South Lake, Ocala, Leesburg, West Orlando, South Orlando, Clermont (352-536-2219 or wrss@mail.ucf.edu) Student Services offices provide student services at the regional campuses, which include transfer orientation, career services, experiential learning, veteran services, transition assistance, and accommodations for students with disabilities. In addition, the offices provide programming and assistance to student organizations as well as provide various standardized test information.

Registrar's Office
University Registrar: Dennis J. Dulniak; MH 161; 407-823-3100; Registration HelpLine: 407-823-3533; E-mail: registrar@mail.ucf.edu http://www.registrar.ucf.edu

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

Veteran Services
Assistant University Registrar: James Middlekauff; MH 161; 407-823-2707 http://www.va.ucf.edu

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

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

UCF, being a member of SOC (Service Members Opportunity College), provides credit for various military training and education. Credit is awarded for regionally accredited schools and courses only. Transfer credit is not awarded for experience, military skills level and/or special certifications. Transfer credit is awarded per the recommendations of the American Council on Education (ACE) Guide, based upon courses and/or training listed on the DD Form 214, SMARTS, ARTS or other official military record. U.S. Air Force veterans must coordinate with the Community College of the Air Force to provide official CCAF transcripts to the Undergraduate Admissions Office. Students eligible for VA educational benefits may also be eligible for a VA deferral of tuition and fees. The VA Deferment due date is contained in the “Academic Calendar.” Students eligible for financial aid adequate to cover tuition and fees are not eligible for this deferment. For Fall and Spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9-11 credit hours for half-time benefits, and 6-8 credit hours for half-time benefits. Five credit hours or less will be reimbursed at the cost of tuition and fees or quarter-time depending on VA Chapter. Check Veterans Services Web site for Summer term course load and other FAQs.

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

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct.
Accordingly benefits will be terminated for individuals who are disqualified, excluded, suspended, or expelled from the University. If reinstated by the University following disqualification, exclusion, suspension, or expulsion, the veteran or eligible dependent must contact Veterans Services to have their VA educational benefits re-activated.

Individuals placed on academic probation will continue to receive benefits as long as he or she earns a 2.0 or higher GPA each term. For students who fail to maintain satisfactory academic progress, benefits will be terminated once the required credit hours of course work for the program of study are completed, regardless of the GPA or eligibility for graduation. Veterans and eligible dependents may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both the on-campus and off-campus work terms. Contact Veterans Services for more specific benefit information on Cooperative Education.

Rosen College of Hospitality Management Campus Life
Director: Tony Perry; 9907 Universal Blvd., Suite 204, Orlando, FL 32819; 407-903-8072

Student’s campus life needs are met on the new Rosen College of Management Hospitality campus through the Student Administrative Services Office. Staffing and services provided through this office include student club and organization support, off-campus student housing information, student activities programming guidance and support, and The Golden Rule interpretation.

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

The Sophomore and Second Year Center (SSYC) has a mission to retain sophomore and second year students at the University of Central Florida. This mission is accomplished by providing academic advising and support services to targeted student populations, developing and conducting programs that guide students toward declaration of a major (degree program), connecting students to the appropriate campus resources and services, providing enhanced information resources through technology, and assisting students with their progression towards graduation from UCF.

The center has primary responsibility for connecting undeclared (no major) and undecided sophomores and second year students to various campus resources, academic advising for major & career exploration, academic support services, and transition assistance to the appropriate college advising office or department. SSYC also provides advising support to accelerated FTIC’s (first time in college students) entering UCF with 45 or more college credits earned from AP, IB, CLEP, and/or dual enrollment courses; and sophomores and second year freshmen who are changing their majors or need assistance in transitioning to the appropriate college advising support office.

Student Academic Resource Center (SARC)
Director: Jennifer Wright; PH 113; 407-823-5130
http://www.sarc.sdes.ucf.edu

The Student Academic Resource Center provides high-quality programs that enable students to achieve their academic goals. Programs include: Supplemental Instruction, tutoring, academic advising, and academic success workshops.

The Supplemental Instruction (SI) program focuses on providing assistance to students in historically difficult courses such as anatomy, biology, chemistry, microbiology, molecular biology, and physics. These peer-led study sessions give students in these courses an opportunity to meet outside of class to compare notes, discuss important concepts, and develop strategies on how to learn the subject matter.

Free peer tutoring is also available for many UCF subject areas, such as accounting, physics, statistics, economics, and biology, to name a few. In total, SARC provides individual and group tutoring for more than 25 courses.

Each semester, SARC also offers a series of academic success workshops designed to address common student issues. Among these are test-taking strategies, time management, reading effectiveness, and memory improvement. Additionally, preparatory workshops are offered for the math portion of the General Knowledge exam.

SARC’s professional academic advisors provide support for students in the Pegasus Success Program, the College Achievement Program (CAP) and the Supporting Teacher Education Pre-professionals (STEP) Program.

A learning skills counselor is also available for students who need study skills advice or those who wish to enhance their educational experience.
Office of Student Rights and Responsibilities
Assistant Vice President and Director: Patricia A. MacKown; FC 142; 407-823-6960
http://www.osrr.sdes.ucf.edu

By offering a wide range of services designed to assist as well as educate students in resolving their disputes, the Office of Student Rights and Responsibilities (OSRR) provides a forum that contributes to the individual growth and development of the student’s knowledge of community responsibilities, due process, conflict resolution skills, and university student conduct rules. Our resources are more effectively used by combining and referring within the judicial knowledge base that exists within these three services. The Office of Student Rights and Responsibilities publishes the Student Handbook, The Golden Rule, which contains more detailed information on student life. Copies of The Golden Rule can be obtained at OSRR, or can be viewed on the internet at http://www.goldenrule.sdes.ucf.edu.

Dispute Resolution Services
Coordinator: Patty Farris; FC 142; 407-823-3477
http://www.drs.sdes.ucf.edu

Dispute Resolution Services enhances the university community by offering mediation training and services directed at resolving interpersonal disputes while promoting individual responsibility. Mediation is a private, voluntary, decision-making process in which one or more impartial persons (mediators) assist people, organizations, and communities in conflict to work toward a variety of goals. This service is available to the university community and is encouraged for those who have been unsuccessful in resolving their differences. Mediation training is conducted several times each semester and is offered at two different levels: 1) a basic introduction to conflict resolution skills and mediation techniques session; and 2) as an advanced mediation techniques session. Mediation services are provided to UCF students, faculty, and staff at no charge. Mediation training is provided to students at no charge, and to faculty and staff at cost. Dispute Resolution Services also offers educational workshops and outreach programs to foster understanding and promote harmony within the university community.

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

The Office of Student Conduct addresses alleged violations of the “Rules of Conduct” contained within The Golden Rule student handbook. This office is also responsible for advising students of their rights during the Student Conduct Review Process, dean’s certification, and student eligibility checks. The rules of conduct can be found in the Golden Rule student handbook and copies may be obtained at the Office of Student Conduct, or can be viewed on the internet at http://www.goldenrule.sdes.ucf.edu.

Students are urged to take advantage of the many services and educational programs available through the Office of Student Conduct and the Office of Student Rights and Responsibilities.

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

Student Legal Services provides students with advice and consultation, including court representation in selected areas of law such as landlord/tenant, consumer, simple wills, traffic, and criminal. Each eligible student (i.e., an undergraduate or graduate student currently enrolled in UCF) is entitled to consult free of charge with a Program Attorney about any legal matter not excluded by program guidelines. Students in need of legal services should contact the Student Legal Services office. This service is by appointment only and no legal advice is given over the phone.

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

The Student Union is the meeting place on campus and provides the campus community with a variety of meeting places, offices, programs, and services. The Union is home to a great variety of restaurants including Joffrey’s Coffee, Smoothie King, Subway, Sbarro, Mrs. Field’s, Pretzel Time, Wackadoo’s Grub and Brew, Qdoba Mexican Grill, Burger King, Phat Philly, Asian Chao and Corner Cafe. Retail stores include Park Avenue CDs, Greek Unique, KnightStop Convenience Store, College Optical, and the UCF Computer Store. Other services located in the Union are the SGA Ticket Center, Kaplan Test Services, ATMs from SunTrust, Bank of America, and the UCF Credit Union as well as a Postal Kiosk and a DVD and Video Game Rental machine. For information, call 407-823-0001.

Transfer and Transition Services
Director: Charlene A. Stinard; PH 221; 407-823-2231
http://transfer.sdes.ucf.edu

Transfer and Transition Services helps transfer students make a seamless transition for a more successful experience at the University of Central Florida. The office provides the following resources and services:

- General advising and referral for transfer students before and after they enroll at UCF;
- Referral to DirectConnect advisors at partnering community colleges: Brevard, Lake Sumter, Seminole, and Valencia
- Advising for transfer students who are undeclared majors, undecided, or changing majors;
- Current information about university programs and policies including entrance and exit requirements;
- Advocacy and assistance in resolving transfer issues;
- Transition advising services for currently enrolled juniors and seniors who are undeclared or changing majors;
- Peer Mentors provide transfer advising services and connections to the campus community, including Transfer Knights club;
- Written articulation agreements and inter-institutional relationships between the University of Central Florida and secondary schools, community colleges or universities; and,
- Articulation workshops and conferences involving instructional, advising, and administrative personnel from the university, community colleges, and other institutions.

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

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

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

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

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

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

The Office of Undergraduate Admissions at the University of Central Florida coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, non-degree, and non-Florida state university transient students to the Orlando, Daytona, South Lake and Cocoa campuses. The office’s primary mission is to identify, attract, and enroll talented, diverse, and academically qualified students who will contribute to, achieve growth and success at, and benefit from attending the University of Central Florida.

The Office of Undergraduate Admissions seeks to attract students who are motivated, creative, and committed to academic excellence. The office will accomplish this through personal contacts, strategic communication, information management, and targeted recruitment. The office is dedicated to providing quality customer service through effective teamwork and through the development of collaborative partnerships with both internal and external communities.

The office administers several programs for prospective students and parents, including daily tours and information sessions, open houses, area receptions for admitted students, and high school and community college visits by admission representatives. It also provides the opportunity to meet one-on-one with an admission representative on campus. Please visit our Web site for further information. Office hours are: Monday/Thursday 9:00 a.m. to 6:00 p.m., Tuesday/Wednesday/Friday 9:00 a.m. to 5:00 p.m.

Campus Visit Experience

Information sessions and campus tours are available through our “Campus Visit Experience”. All freshmen (First-Time-In-College: FTIC) and transfer prospective students and their families are encouraged to participate. The Campus Visit Experience, which includes both an information session and tour of the campus, begins at the University Welcome Center at 10:00 a.m. and 2:00 p.m., Monday through Friday, except holidays. Reservations can be made by visiting our Web site at http://www.admissions.ucf.edu. Group tours of up to 80 or special requests may be accommodated and can be requested by visiting our Web site.

Meetings with admissions representatives to discuss particular concerns about admission to the University are available. You may contact the Undergraduate Admissions office at 407-823-3000 or visit us at our Web site. Information sessions and campus tours are also available for students interested in our Rosen College of Hospitality Management on International Drive. Please contact them at 407-903-8000 for further information.
Application for Admission

All interested applicants should complete the University of Central Florida "Undergraduate Admissions Application" online at http://www.admissions.ucf.edu and submit the $30 (in U.S. Currency), non-refundable application fee. Students should apply several months in advance of an anticipated start date. Questions concerning admission requirements and applications can be forwarded to admission@mail.ucf.edu.

Applications for admission can be submitted up to several months prior to the start of the term desired. The priority application deadlines are May 1 for the Fall semester (July 1 for Transfer students), November 1 for the Spring semester, and March 1 for the Summer term. The priority deadline for most financial assistance and scholarships is March 1. Information and an application for University housing can be found at http://www.housing.ucf.edu. Requests for housing are subsequently reviewed by date of the receipt of the housing application. The University encourages applications from qualified persons of both sexes, all ages, and from all cultural, racial, religious, and ethnic groups. The University does not discriminate on the basis of disability for admission.

Applicants should understand that this Undergraduate Catalog outlines minimum requirements to be considered for admission and that admission to the University is selective. The satisfaction of minimum requirements does not guarantee admission. Conversely, Florida Department of Education policy allows the University to admit students to any semester as exceptions to the minimum requirements. The Undergraduate Admissions Office and the Admissions and Standards Committee are responsible for the admission of all undergraduate students under this exceptions policy.

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

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

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

Reactivation

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

Limited Access Programs

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

Orientation

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

Admission Categories

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

A. Freshman (First-Time-In-College: FTIC)
B. Dual Enrollment (includes early admission and dual enrollment, on- or off-campus)
C. Transfer
D. Second Bachelor’s Degree
E. Transient (one term enrollment only, not from a Florida public university)
F. Limited Non-Degree Seeking

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

Freshman Applicants

Any FTIC student who meets Department of Education minimum admission requirements is encouraged to submit an application. Meeting these minimum requirements does not guarantee admission. The University will do everything possible to admit all qualified applicants who apply by the priority deadline date. If the number of qualified applicants exceeds the number the University is permitted to enroll, admission will be on a selective basis. An applicant’s total high school record (including grades, test scores, educational objective, quality of courses completed, counselor recommendations, essay, and personal achievements and honors) will be considered in the selection process. The University reaffirms its Equal Educational Opportunity (EEO) commitments and seeks to increase diversity among the student body.

High School Diploma

Freshmen who are applying for admission to the University are required to have a high school diploma or a General Equivalency Diploma (GED).

Entrance Examination Scores

All applicants for admission must submit test scores from the SAT Reasoning Test or the ACT. In addition, any student whose native language is not English may be required to submit a Test of English as a Foreign Language (TOEFL) score.

High School Academic Units and Grade Point Average

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

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

Total Units 18

High School Diploma

The University encourages applications from qualified persons of both sexes, all ages, and from all cultural, racial, religious, and ethnic groups. The University does not discriminate on the basis of disability for admission.

Applicants should understand that this Undergraduate Catalog outlines minimum requirements to be considered for admission and that admission to the University is selective. The satisfaction of minimum requirements does not guarantee admission. Conversely, Florida Department of Education policy allows the University to admit students to any semester as exceptions to the minimum requirements. The Undergraduate Admissions Office and the Admissions and Standards Committee are responsible for the admission of all undergraduate students under this exceptions policy.

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

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

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

Reactivation

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

Limited Access Programs

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

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

<table>
<thead>
<tr>
<th>If the High School GPA is:</th>
<th>Minimum test scores must be:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS GPA</td>
<td>SAT or ACT</td>
</tr>
<tr>
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<td>1680 or 25</td>
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<tr>
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<td>1620 or 24</td>
</tr>
<tr>
<td>2.2</td>
<td>1620 or 24</td>
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<tr>
<td>2.3</td>
<td>1560 or 23</td>
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<td>1510 or 22</td>
</tr>
<tr>
<td>2.5</td>
<td>1450 or 21</td>
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<td>1450 or 21</td>
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<tr>
<td>2.9</td>
<td>1390 or 20</td>
</tr>
<tr>
<td>3.0</td>
<td>*</td>
</tr>
</tbody>
</table>

*No minimum score required.

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

- Admission to the University is limited by space availability. The degree of competition for space depends on the number and qualifications of those who apply for admission. To increase the chance of admission, high school students should present credentials that are stronger than the minimum requirements for consideration as listed above. If the number of qualified applicants exceeds the number that the University is able to enroll, a waiting list will be established.

- A student applying for admission who does not meet established requirements may bring to the University other important attributes or special talents and may be admitted if, upon appeal and in the judgment of the Admissions and Standards Committee, the student can be expected to do successful academic work. The University will provide appropriate advising for each student admitted under this alternative.

- Students who have been enrolled in dual enrollment courses will be required to have a minimum “C” average (2.0 GPA) for all completed dual enrollment course work.

- A student must have two years of one foreign language in high school or the equivalent (minimum eight credit hours) at the post-secondary level, to be offered admission.

Dual Enrollment Applicants

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

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

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

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

Transfer Applicants

UCF welcomes transfer applications to the University. Students should apply online at http://www.admissions.ucf.edu and arrange to have official transcripts sent from all colleges attended. The Undergraduate Admissions Office computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades effective Fall 2001, but only recognizes grade forgiveness when it is used as part of an awarded State articulated Associate in Science degree or an Associate in Arts degree from a Florida public community college or Florida public university. Applicants must have a current minimum GPA of 2.0, and must have a cumulative minimum GPA of 2.0 and be in good standing as a degree seeking student at the last institution attended to be considered for admission to UCF. Meeting these minimum requirements does not guarantee admission.

Transfer students are required to complete, at least, 30 hours in residence at UCF to earn a bachelor’s degree. In addition, students must complete 48 hours in residence at UCF to be eligible to receive baccalaureate honors recognition at the time of graduation.

Transfer students are encouraged to review the current edition of UCF’s “Transfer Counseling Manual,” available in Florida public community college counseling offices. The manual provides the recommended community college course requirements for all majors as well as other helpful information.

Transfer Applicants With Fewer Than 60 Credit Hours

All college transfer applicants with fewer than 60 credit hours of acceptable credit must minimally meet freshman high school unit entrance requirements, the high school academic GPA, and minimum SAT or ACT scores; have at least a 2.0 GPA on a 4.0 system for all college courses attempted; and be in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. Meeting these minimum requirements does not guarantee admission.

Transfer Applicants With an A.A. Degree From a Florida Public Institution

Admission of Associate in Arts (A.A.) degree graduates from Florida public community colleges and Florida state universities will be governed by the Articulation Agreement between the state universities and public community colleges of Florida, as approved by the State Department of Education. The agreement states that except for limited access programs, admission as a junior to the upper division of the University shall be granted to any graduate of a state-approved Florida community college or State University System institution who transfers directly to UCF (see Rule 6A-10.024), who has completed the university parallel program; and who has received the Associate in Arts degree, which includes all of the following:

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

Any student admitted without two years of one foreign language in high school or the equivalent (minimum eight credit hours) of such instruction at the post-secondary level, must satisfy the admission requirement prior to graduation. Florida Community College Associate in Arts graduates are guaranteed the following rights under the Statewide Articulation Agreement (State Board of Education Rule 6A-10.024):

1. Admission to one of the eleven state universities, except to “limited access” programs (programs that have additional admission requirements);
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
3. Transfer of equivalent courses under the statewide Course Numbering System;
4. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, PEP, Dual Enrollment, Early Admission, and International Baccalaureate);
5. No additional General Education Core requirements;
6. Advanced knowledge of selection criteria for limited access programs; and
7. Equal opportunity with native university students to enter limited programs.

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

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

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

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

Meeting these minimum requirements does not guarantee admission.

Second Bachelor’s Degree Applicants

Second Bachelor’s Degree applications are processed by the Undergraduate Admissions Office or the Registrar’s Office. Guidelines for which office students should make application to are outlined as follows:

- Students who have never attended the University of Central Florida as degree-seeking undergraduate students must apply to the Undergraduate Admissions Office. Students should complete the regular undergraduate admissions application.
- Students who have attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar’s Office. These students complete the “Readmission Application” form.

Credits From a Previous Baccalaureate Degree

Graduates from other regionally-accredited four-year U.S. institutions who apply for admission to work toward a second undergraduate degree must meet the regular requirements of the University (as who apply for admission to work toward a second undergraduate degree or higher from another accrediting agency). Students must meet the University of Central Florida’s English and Mathematics requirements of the Gordon Rule.

International Applicants

The University of Central Florida is authorized under federal law to enroll students on non-immigrant visas. All international candidates applying for admission to UCF must submit a University of Central Florida Undergraduate Admissions Application or apply online at http://www.admissions.ucf.edu. Because of additional processing time needed for non-immigrant students joining UCF on F-1 or J-1 Visas, those students should submit the application and all required academic documentation by the international admissions deadlines. These students must also complete and submit the required financial and immigration documents by the deadline. The deadlines for Fall semester are March 1; for Spring semester, September 1, and for Summer term, January 1.

- Submit the completed UCF admissions application form with the required $30.00 non-refundable application fee (check or money order in U.S. currency). An online application is available on our Web site at http://www.admissions.ucf.edu.
- Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation and a GPA computation of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on the evaluation form.
- Registration Form.
- The English and Mathematics requirements of the Gordon Rule;
- Students registering for classes in the Limited Non-Degree Seeking status are subject to the following regulations:
- Students registering for classes in the Limited Non-Degree Seeking status are subject to the following regulations:
- Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification;
- Students who have been previously denied admission or disqualified for enrollment are not eligible;
- Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students;
- Registration is permitted on a space-available basis;
- A maximum of 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree seeking student;
- 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;
- Limited Non-degree students are not eligible to receive financial aid nor to participate in intercollegiate sports; and,
- 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.

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

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

Students registering in this category should be aware of the limitations of this status, and are encouraged to apply for regular admission to the University.
Mandatory Health Insurance for International Students on F-1 and J-1 Visas

Each international student on a F-1 or J-1 visa offered admission shall, prior to registration for classes, submit proof of required health insurance coverage to UCF Health Services to comply with the State of Florida mandatory health insurance requirement for F-1 and J-1 students. Minimum coverage limits can be obtained from UCF Health Services. Written proof of insurance must also be provided. If the insurance is issued by a foreign carrier or underwriter, a statement must be provided in English to assure that the policy meets the State of Florida minimum levels of insurance coverage.

The University reserves the right to refuse registration to any international student on F-1 or J-1 visas who fails to comply with this insurance requirement or who is unable to supply satisfactory proof of insurance. The University also reserves the right to withdraw from classes any international student who fails to maintain insurance coverage, cancels insurance coverage, or avoids in any way the responsibility to comply with the insurance requirement. For questions, call UCF Health Services at 407-823-3707 or go to their Web site at http://www.hs.sdes.ucf.edu/healthcenter/insurance.html to view the State of Florida requirements specified on the “Medical Insurance Compliance Verification Form.”

Non-Academic Admission Clearances

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

Transfer Credit: All Applicants

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

- Western Association of Schools and Colleges Accrediting Commission for Senior Colleges and Universities and Accrediting Commission for Junior Colleges.

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

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

General Education Transfer Credits

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

Credits From Private and Out-of-State Institutions

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

Credits From Military Service School Courses

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

Military credit is not accepted through transfer unless used as part of an Associate in Arts degree from a Florida public community college. Even though military records may have been evaluated by another regionally-accredited institution, it is important to have official credentials sent to UCF for evaluation. Credit is not awarded for basic training.

Baccalaureate Honors

Transfer students should be aware that eligibility for graduation with baccalaureate honors requires the completion of a minimum of 48 credit hours at UCF and is based upon an overall grade point average. For more details, refer to “Academic Honors” within the “Academic Regulations and Procedures” section of this Undergraduate Catalog.
Office of Student Financial Assistance

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

Office Hours:
Monday: 9:00 a.m. - 5:30 p.m.
Tuesday, Wednesday, Friday: 9:00 a.m. - 5:00 p.m.
Thursday: 1:00 p.m. - 5:30 p.m.
(Hours subject to change during holidays and semester breaks.)
The Office of Student Financial Assistance manages resources for all students. Once financial aid eligibility is determined, the office provides options to help students meet their educational goals. Comprehensive counseling is available by appointment. Due to confidentiality, counseling by phone and e-mail is limited.

Student Rights and Responsibilities
Students have the right to full information about the financial aid programs available at UCF, our application procedures and aid deadlines, and the criteria used to determine a financial aid package. Students have the right to appeal decisions made by the Office of Student Financial Assistance. Students have the right to equitable treatment of their financial assistance applications. Although each student’s case is analyzed individually, eligibility standards are applied uniformly without regard to race, gender, religion, creed, national origin, or physical handicap. All students’ records are confidential.

It is the student’s responsibility to review and understand all information and instructions, meet all deadlines, and provide all information and documentation accurately. Errors and omissions can cause delays and prevent students from receiving assistance. Misrepresentation is a violation of the law.

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

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

- If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as the Federal Pell Grant, Federal Stafford Loan, and Federal PLUS Loan;
- Students should not wait to be admitted to UCF before applying for financial aid;
- Federal Pell Grants and Federal Stafford Loans are available on a year-round basis. Students may apply for financial aid in advance of any term and receive aid from these programs, if eligible;
- Students who apply for aid and do not complete their financial aid file until after July 15th should not expect their aid to be paid until well after the beginning of the fall semester;
- A broad range of scholarships is available with diverse criteria. Please review the scholarship listing on the Web site for specific deadline dates for individual scholarships.

Application Procedures
- The FAFSA can be filed electronically at http://www.fafsa.ed.gov. A link is provided on the Web site and on myUCF.
- Messages from the federal processor should be reviewed thoroughly;
- Review all correspondence, follow instructions on the Student Aid Report, and follow through promptly. Delays can be costly as well as frustrating;
- Federal Regulations require that some students be selected for verification. If selected, students will be required to provide documents supporting the information submitted on the FAFSA. Sometimes subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests for additional documentation will expedite completion of this process;
- Offered federal funds and other need-based financial aid are not considered firm until verification is complete and all necessary corrections have been made.
**Specific Eligibility Requirements and Conditions for Receiving Financial Aid**

- Students must be accepted and classified as degree-seeking at UCF in an eligible program;
- Students must maintain UCF’s Standards for Satisfactory Academic Progress;
- Students are required to inform financial aid of any additional sources of aid they expect to receive beyond those listed on the award notification or award information provided on the Student Center on myUCF. Any subsequent awards or income may necessitate a revision of the financial aid award(s). This includes, but is not limited to, any private scholarships or third party tuition payment waivers;
- Students may not receive aid in excess of their cost of attendance;
- Students must not be in default on any federal educational loan or owe repayment on a federal grant at this or any other institution;
- Students must provide all information requested for the completion of their file. If selected, verification must be completed within specified deadlines and prior to the receipt of all federal and most state and institutional funds;
- Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA;
- Students must reapply annually for financial aid;
- Students must complete an entrance interview for a Federal Stafford Loan if they are a first time borrower at UCF;
- Students must be a U.S. citizen or an eligible non-citizen, (e.g. resident alien). Eligible non-citizens include 1-151, 1-551, 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 determined by the FAFSA;
- A male applicant must be registered with Selective Service, if applicable;

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

**Helpful Hints**

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

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

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**Estimated Cost of Attendance for 2009-2010**

<table>
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<th>Undergraduate Students</th>
<th>Fall/Spring based on 14 hours per term</th>
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<tr>
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<tr>
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<td>Books</td>
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<td><strong>Non-Florida Residents</strong></td>
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<td>$2,276</td>
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<td>Total Costs</td>
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**Financial Aid Programs Available at UCF**
Financial aid comes in many forms, such as grants, loans, employment, waivers, and scholarships. The Program Eligibility Charts on the Web site under “Receiving Aid” list the various programs and their specific enrollment requirements. Detailed information for each program can also be found on the Web site under its particular title.

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

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

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

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

**Award Notification**
Award notifications are mailed to first time UCF students after March 15th, while e-mail award notifications are sent to continuing students. Individual 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 classified as degree-seeking.

Verification, if required, must be completed. Students must meet the Standards for Satisfactory Academic Progress. If all eligibility is met, financial aid funds may be disbursed.

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

**Deferrals of Tuition and Fees**
Financial aid awards will normally result in a deferment of tuition and fee payments. Deferments allow for the time lag that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is normally two to three weeks.
weeks after the term begins. Students are responsible to pay any amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. The deferment process only occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the Web site for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferments based on estimated Stafford loans will be canceled prior to the beginning of the semester if the student has not completed the loan application process. Students must drop classes prior to the end of add/drop in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they are never attended.

Disbursements
Financial aid disbursements begin the second week of each term. Students should be aware of this, so they are prepared to use their personal savings for anticipated expenses such as books and supplies at the beginning of the term. The Short Term Advance for Books or The Textbook Purchase Program is available for students to help with these expenses. The application is available for download prior to each term, so that funds may be available as early as the week before the first day of classes. Students who apply late for financial aid should be prepared to cover their own living expenses, out-of-pocket, well into the term. When financial aid disbursements, the funds first apply towards university debts. The remaining balance is refunded to the student one of two ways. If a student has set up Direct Deposit on myUCF, then the refund is deposited into the student’s bank account. Otherwise, a check is mailed to the student’s current mailing address listed on myUCF.

Satisfactory Academic Progress (SAP)
Federal regulations require the University to establish Standards of Satisfactory Academic Progress (SAP) to ensure that students receiving financial aid are also meeting academic requirements. The Office of Student Financial Assistance monitors students' academic progress on an ongoing basis. Once a student is determined to be deficient in satisfactory academic progress, the student is subject to suspension or progressing on a unit-by-unit or course-by-course basis (depending on the student’s SAP status). A student must maintain satisfactory academic progress to continue to receive financial aid.

To meet the standards adopted by the University of Central Florida, a student must:

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

<table>
<thead>
<tr>
<th>CLASSIFICATION</th>
<th>Maximum UCF Hours Allowed for Degree Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td></td>
</tr>
<tr>
<td>All Freshmen</td>
<td>180 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Sophomores</td>
<td>135 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Juniors</td>
<td>90 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Seniors</td>
<td>45 Attempted UCF Hours</td>
</tr>
<tr>
<td>Second Degree</td>
<td>60 Attempted Hours</td>
</tr>
<tr>
<td>Masters</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Specialist Degree-Seeking</td>
<td>100 Attempted Hours (Including all Graduate hours)</td>
</tr>
<tr>
<td>Doctoral</td>
<td>120 Attempted Hours (Including all Graduate hours)</td>
</tr>
<tr>
<td>Doctor of Medicine</td>
<td>Satisfactory academic progress for continued enrollment, else loss of access to federal assistance programs</td>
</tr>
</tbody>
</table>

Re-establishing Eligibility after Cancellation
Any student with extenuating circumstances, (i.e., death of a relative, an illness or injury of the student, etc.), who is placed on cancellation status may appeal to the Financial Aid Review Committee for reinstatement based on his/her special case. If the student was canceled for the failure to complete 70% of the attempted hours and since cancellation, he/she has brought up the percentage to a minimum of 70%, the student may appeal to the committee for reinstatement, at that time.

To appeal, the student must:
- Attach documentation that supports specific circumstance(s) to the appeal form; and,
- Submit the appeal and the supporting documentation to the Office of Student Financial Assistance.

After a thorough evaluation of the written request and all supporting documentation, the Financial Aid Review Committee will notify the student of the decision by e-mail communication or the student may view the updated status on myUCF, under View Financial Aid Status.

Transfer Students
Be informed. Not all financial aid programs are transferable and eligibility for some programs will be determined by UCF. The application process must be complete; pay close attention to priority filing dates. If a FAFSA for the year in question has already been filed, request that the federal processor forward the information to UCF, Code 003954, by utilizing Part II of the SAR or by calling the federal information center at 1-800-4 FED AID. The To Do List on myUCF will indicate any required forms.

Independent Students
You will be classified as independent for financial aid purposes if at least one of the following applies:

- you are 24 years of age or older by December 31 of the award year;
- you are married at the time the original FAFSA was filed for the year;
- you are or will be enrolled in a master’s or doctoral program (beyond a bachelor’s degree) at the beginning of the academic year;
- you have children who receive more than half their support from you;
- you have dependents (other than your children or spouse) who live with you and who receive more than half their support from you and will continue to receive more than half their support from you through June 30th of the school year;
- you are currently serving on active duty in the U.S. Armed Forces for purposes other than training;
- you are a veteran of the U.S. Armed Forces. (“Veteran” includes students who attended a U.S. service academy and who were released under a condition other than dishonorable.)
- at age 13 or older, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;
- you are an emancipated minor as determined by a court in your state of legal residence;
- you are in legal guardianship as determined by a court in your state of legal residence;
- your high school or school district homeless liaison determined you were an unaccompanied youth who was homeless;
- you were determined, by the director of an emergency shelter program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless; or,
- you were determined, by the director of a runaway or homeless youth basic center or transitional living program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless.

You may appeal if you lost your independent status due to a change in marital status or parental death. You must submit additional documentation to support the change in your classification.

You may be required to meet the basic eligibility requirements for federal financial aid, such as filing a FAFSA by the priority deadline. Please refer to the Program Eligibility Charts on the Web site for more information. If you have additional questions, please contact the Student Financial Assistance office at 1-800-4 FED AID.
Student Financial Assistance

Dual Enrollment
Students who have been approved to take classes at another institution while attending UCF might have those hours counted toward meeting financial aid requirements for some programs at UCF. Dual enrollment will not meet eligibility criteria for institutional aid programs. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. All of the following documents must be submitted to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:

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

Dual enrolled students must make arrangements to pay tuition and fees at the visited school since there is no system for deferral of those tuition and fees. In addition, it is the student’s responsibility to insure that the visited school promptly provides the UCF Registrar’s Office with academic transcripts, confirming that the attempted hours are completed. This will help avoid academic progress problems. Students who expect to receive funds under any of the federal loan programs must enroll for a minimum of six undergraduate hours at UCF in UCF classes to meet eligibility requirements.

Students may not receive financial aid from two institutions at the same time. Students must decide which of the two institutions is the primary school at which they are degree seeking and apply for aid there. Any inaccuracy will result in a mandatory repayment to one of the two schools for the overpayment.

Over Awards
An over award occurs when a student’s award package has exceeded either the unmet need or cost of attendance, depending on the type of aid that has been awarded. To prevent over awards, it is extremely important to notify the Office of Student Financial Assistance of any potential awards not already listed on the student’s financial aid award summary on myUCF. In the event of an over award, a student’s award package is reduced to eliminate the over award, which may result in a repayment of the over award.

Refunds and Return of Title IV Funds
Students should be aware that if they withdraw from the university after having received financial assistance, they might have to repay a portion of that assistance. Students who received Federal Stafford Loans should also know that the Registrar’s Office is required to notify The National Student Loan Data System (NSLDS) of student withdrawals.

Professional Judgment
The formula used to determine eligibility for federal student aid is basically the same for all applicants. However, in some cases, special circumstances may be taken into consideration. Students with extenuating circumstances should schedule an appointment to review the situation with a counselor. There must be a very good reason to make any adjustments and proof must be provided to support any adjustments.
STUDENT TUITION AND FEES

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

General Information
The Office of Student Accounts is here to serve the students who attend the University of Central Florida by maintaining accurate financial records and communicating with students concerning their accounts.

The Student Accounts Office is responsible for:
- Tuition and Fee Assessment/Refunds
- Student Financial Responsibility Statement
- Overdue payment and institutional loans collection (Loans and Collections)

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

*Note: 2009-2010 tuition and fees had not been established at the time of this publication. Rates for the 2009-2010 academic year will be available in early July 2009. Fees are subject to change without notice.

Tuition and Fees:
Tuition and fees are established by the State Legislature and the University Board of Trustees and are subject to change without notice. Fees are affected by residency status. Tuition and fees are charged per semester or term for main campus, regional campuses, and continuing education courses. Tuition is assessed on a per credit hour basis. Students classified as zero-hour registration students are assessed one credit hour at the Florida Resident Tuition rate at the course level for which the student is registered.

Fee Invoice:
A printed Fee Invoice confirms fees and course registration. Fee invoices are available 24/7 on the web at http://www.my.ucf.edu, kiosks, and from the student’s college advising office. Students must obtain a current Fee Invoice prior to making payment at one of the payment locations. Fee Invoices are not mailed. Generate and print an initial Fee Invoice after initial registration of courses. Courses that are added or dropped after initial registration of courses require that a new Fee Invoice be generated and printed; this must be compared to initial invoice to ensure that the fees are adjusted.

Fee Payment Deadlines:
All University tuition and fees must be paid by the published dates. Tuition and fees not paid by the payment deadline for each term will result in late fees and could result in the cancellation of all classes.

Limited Non-Degree Enrollment Classes:
Payment guidelines for Limited Non-Degree enrollment classes can be found on the “Registration Form for Non-Admitted Students.” It is the student’s responsibility to officially drop or withdraw from courses so as to avoid additional financial obligations.

Student Financial Responsibility Statement
Registration at UCF requires students to acknowledge the following financial responsibility statement: “I accept responsibility for payment of my term tuition and fees by the published deadline. I understand that if I do not pay my tuition and fees or do not pay these fees by the due date, I may be charged a $100 Late Payment Fee, my records will be placed on hold, my account may be referred to a collection agency, and I may incur other financial consequences.”

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

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

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

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

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

Payment Locations (refer to http://fa.ucf.edu for office hours):

- Cashier’s Office - Main Campus - MH 110 - 407-823-2614
- Cashier’s Office - Brevard Campus (BCC Cocoa Campus) - BLDG 11 Room 204 - 321-433-7615
- Cashier’s Office - Daytona Beach Room 105 (no cash) - 386-506-4073
- Cashier’s Office - Palm Bay Room 115 (no cash) - 321-433-5187/5186
- 24-Hour Depository - Milican Hall at Reflection Pond Entrance (no cash)
- Cashier’s Office - Rosen College Campus Room 201A (no cash) - 407-903-8187

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

Other Forms of Payment

Tuition and fees may be partially or completely paid by financial aid, Florida Prepaid, tuition waivers, or departmental grants. The student is responsible to pay any amount that is not covered by these types of payments by the fee payment deadline as described under Payment Procedures.

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

Florida Prepaid College Plan

For any enrolled student who has a Florida Prepaid College Plan, the University will automatically defer only the portion of the tuition covered under the plan. All fees not covered by the plan are due by the fee payment deadline. If the student does not wish to utilize the Florida Prepaid Tuition Plan, the student must notify the Student Accounts Office (MH 107) by submitting a request not to bill FPP on or before the first day of the Drop/Swap and Add period.

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

Note: the 2009-2010 tuition rates had not been established at the time of publication.

Tuition Waivers

State of Florida Employees Tuition Waiver

Full-time state employees may be allowed to enroll for up to six (6) credit hours of eligible instruction per term on a space-available basis without payment of tuition and fees. State Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term. Should the employees register for the courses to which the waiver will apply prior to the prescribed date and time, the fee waiver will become invalid and the employee will be liable for all applicable fees. The tuition waiver cannot be used for courses that have increased costs. These courses include, but are not limited to, continuing education courses, independent study, supervised teaching labs, thesis hours, dissertation, internships, practicum courses, third-try repeat courses and surcharges, co-ops, or applied individualized instruction in music, art, or dance, etc. Any state employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed tuition waiver form to the UCF Student Accounts Office (MH 107) by each term’s fee payment deadline. See the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term for the fee payment deadlines. Prior to enrolling into courses each term, refer to the Registrar’s Office Web site at http://www.registrar.ucf.edu for eligibility requirements, course restrictions, and the waiver application form. Students may list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are not listed on the waiver form cannot be waived.

UCF Employees Tuition Waiver

All full-time general faculty, administrative and professional (A&P), and staff (formerly called USPS) employees of the University of Central Florida who are employed in an established position on the date the fees are due and who meet academic requirements, including those employees on Sabbatical, professional development, grants-in-aid, and educational leave, may be allowed to enroll for up to six (6) credit hours of eligible instruction per term on a space-available basis without payment of tuition and fees. UCF Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term. Should the UCF employees register for the courses to which the waiver will apply prior to the prescribed date and time, the fee waiver will become invalid and the UCF employee will be liable for all applicable fees. The tuition waiver cannot be used for courses that have increased costs. These courses include, but are not limited to, continuing education courses, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, practicum courses, third-try repeat courses and surcharges, co-ops, or applied individualized instruction in music, art, or dance, etc. Any UCF employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed Tuition Waiver Form to the UCF Student Accounts Office (MH 107) by each term’s fee payment deadline. See the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term for the fee payment deadlines. Prior to enrolling into courses each term, refer to the Human Resources web site at http://www.hr.ucf.edu/web/forms/benefits/tuitionwaiver.pdf for eligibility requirements, course restrictions, and the waiver application form.

Students are encouraged to list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are not listed on the waiver form cannot be waived.

Tuition and Fees for Senior Citizens

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

Refund of Fees

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

Full Refund Eligibility

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

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

Exceptional Circumstances

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

**Direct Deposit**

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

**Past Due Accounts**

All financial obligations to the University must be met. **Failure to meet obligations can result in the withholding and denial of registration, diploma, transcripts and readmission to the University.**

The services of a professional collection agency and recourse to the courts may also be invoked if deemed necessary. All costs of collection, including attorney’s fees, are borne by the debtor.

Do not assume your registration will be canceled if you fail to pay fees or attend classes. Tuition deferrals, for example, will prevent class cancellation for non-payment. Payment guidelines for off-campus registration are contained on the off-campus registration form.

**Late Fees**

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

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

**Fee Appeals**

Students who desire to appeal a Late Registration Fee and/or a Late Payment Fee may make their appeal to the Fee Appeals Committee by initiating a student petition (Form 41-561). This form can be obtained online at fa.ucf.edu. Click Forms, Student Services, and Fee Appeals Petition. Students must submit their petitions to Student Accounts (MH 107) and may appear before the Committee (not mandatory). Forms faxed to Student Accounts should be addressed: Attn: Fee Appeals Coordinator, 407-823-6476.

**Holds**

Holds due to unpaid tuition and fees that prevent registration and the receipt of transcripts will be automatically removed overnight once fees are paid.

**Florida Residency for Tuition Purposes**

At University of Central Florida, three offices are responsible for the review of residency for tuition purposes under Florida Statute 1009.21 (formerly 240.1201) and Board of Regents chapter 6C-7.005. The offices of Undergraduate Admissions and Graduate Studies determine residency for all first-time-on-campus students; thereafter, the Registrar’s Office will review student requests for changes in residency for Undergraduate Students. The College of Graduate Studies will review student requests for changes in residency for graduate students. A first-time-on-campus student will be classified according to the information he or she includes on the application for admission, providing that no other information is available that calls into question the information contained on the application.

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

And

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

And

Submit the following documentation (or in the case of a dependent student, the parent must submit documentation) prior to the last day of registration for the term for which resident status is sought:

1. **Documentation establishing legal residence in Florida (this document must be dated at least one year prior to the first day of classes of the term for which resident status is sought).** The following documents will be considered in determining domicile.
   a. **Declaration of Domicile (Note: the Declaration of Domicile will support a claim of residency for tuition purposes only after a period of 12 months from the date that the Clerk of the Court notes that the declaration was sworn and subscribed to them.)**
   b. Proof of purchase of a home in Florida in which the student resides;
   c. Proof that the student has maintained residence in the state for the preceding year (e.g., rent receipts, employment records).

2. **Documentation establishing bona fide domicile in Florida which is not temporary or merely incidental to enrollment in a Florida institution of higher education.** The following documents will be considered evidence of domicile even though no one of these criteria, if taken alone, will be considered as conclusive evidence of domicile:
   a. Declaration of Domicile;
   b. Florida voter registration;
   c. Florida vehicle registration;
   d. Florida driver license;
   e. Proof of real property ownership in Florida (e.g., deed, tax receipts);
   f. Verification of permanent employment in Florida by the employer, employment records, or other employment-related documentation (e.g., W-2 paycheck receipts), other than for employment normally provided on a temporary basis to students or other temporary employment. The document must show 12 consecutive months of Florida employment prior to the first day of classes of the term for which the student requests Florida residency;
   g. Proof of membership in or affiliation with community or state organizations or significant connections to the State;
   h. Proof of continuous presence in Florida during periods when not enrolled as a student;
   i. Proof of former domicile in Florida and maintenance of significant connections while absent;
   j. Proof of reliance upon Florida sources of support;
   k. Proof of domicile in Florida of family;
   l. Proof of admission to a licensed practicing profession in Florida;
   m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual;
   n. Proof of graduation from a high school located in Florida.

3. **No contrary evidence establishing residence elsewhere;**

4. **Documentation of dependent/independent status (notarized copy of most recent IRS tax return)** Or
   Be married to a person who has been a legal resident of the State of Florida for the required 12-month period and relinquish legal ties to any other state, Or
   Be a member of the Armed Forces on active duty stationed in Florida, or a spouse or dependent, Or
   Be a member of the full-time instructional or administrative staff of a state public school, community college, or university in Florida, a spouse or dependent, Or
   Be a dependent and have lived five years with an adult relative, who has established legal residence in Florida.

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

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

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

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

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

Residency Reclassification

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

To request a residency review, the student must submit a completed “Residency Reclassification Application and Affidavit” and supporting documents to the Registrar’s Office (MH 161) or Graduate Studies (MH 230). This form is available either at the Registrar’s Office or online at http://Registrar.ucf.edu. This form must be accompanied by all documents that support the student’s Florida residency claim.

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 have already enrolled.

And

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,

Or

Be a United States citizen receiving scholarships from the federal or state government, or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar’s Office at 407-823-3100 for additional information regarding all residency reclassification requirements.

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

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

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

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

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.

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Responsibilities

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

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

Freshman (First Time in College - FTIC)

Every incoming freshman is assigned a professional first year academic advisor in one of the five offices listed below. These advisors also collaborate with the University’s Colleges and Schools, and link students to advisors in various academic programs. The assignment of a first year advising office will be based on the specialized services of each program and the students’ particular needs. Please know that although you have been assigned to an advisor in one of the offices, you are not limited to seeking help there. Academic advising is one of the most important services provided at UCF and can impact a student’s successful progression to graduation.

New FTIC Students can expect to:

1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP, IB and CLEP credit;
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.

2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the KSP and EXCEL programs and those not in a special population listed below (PH 116)
   b. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110)
   c. Student Academic Resource Center (SARC) - for Participants in the College Achievement Program (CAP) or Pegasus Success Program (PH 113)
   d. Multicultural Academic and Support Services (MASS) - for all students in the SOAR program (PH 102)
   e. Sophomore and Second Year Center (SSYC) - for freshman students entering UCF with 45 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (PH 215)

These offices provide students with general education advising, academic exploration for undeclared students, academic support, registration assistance, and on-going information about University policies and procedures throughout the first year experience. For more information about the first year advising offices and their services, please see the “Student Development and Enrollment Services” chapter of this Undergraduate Catalog.

3. Participate in programs and advising activities that will promote a successful transition from high school to the university.

4. Transition to an academic advising office within the college of the student’s chosen major at the beginning of the sophomore year.

The Burnett Honors College

New students will:

Attend the UCF Orientation designated for The Burnett Honors College. At this time students will meet with Honors staff and will learn about The Burnett Honors College courses and GPA requirements, and will register for Honors and non-Honors classes.

Continuing students will:

1. Contact the department of their major and meet with their advisor in the department during the first two months of any semester to review progress and plan a program of study;
2. Meet with their advisor in the department of their major prior to registration;
3. Contact the office of Honors Advising (BHC 107) and based on the recommendation from their academic advisor and the requirements for University Honors, an Honors Advisor will assist with Honors course selection;
4. Continue to register for classes online;
5. Check their “Fee Invoices/Schedule” to ensure accuracy of class schedule; and,
6. Attend any mandatory Honors advising appointments.

College of Arts and Humanities

Majors within the College of Arts and Humanities should meet with their major/minor advisor concerning major/minor requirements and with an advisor in CAHSA regarding all other issues. CAHSA is located in Colbourn Hall (CNH) room 202 and advisors can be reached by phone at 407-823-3312 or via e-mail at cahsa@mail.ucf.edu. Students can also access CAHSA’s Web site at: http://www.cahsa.ucf.edu

New students will:

1. Meet with a CAHSA advisor in a group setting during Orientation to discuss college policies and procedures;
2. Meet with a major advisor to discuss major requirements, career opportunities, and plan a class schedule;
3. Register for classes at a central location; and,
4. Check their “Fee Invoices” to ensure accuracy of their class schedule.

Continuing students will:

1. Meet with their major and/or minor advisor in the department to review academic progress and plan a program of study for subsequent semesters. Review this plan each term with their major/ minor advisor and prior to registration;
2. Access their Degree Audit at least every term and understand all degree requirements;
3. Refer any questions pertaining to university credit hour requirements and college/university policies and procedures to CAHSA. All questions pertaining to major/minor requirements should be directed to the department advisor in the major/minor program; and,
4. Meet with their major/minor advisor to conduct a graduation review of major/minor requirements in the semester prior to the intended semester of graduation. After seeing the major/minor advisor and in the semester prior to the term of graduation, eligible students will receive an e-mail from CAHSA indicating how to file their “Intent to Graduate” forms and in order to conduct a graduation review. Please refer to the academic calendar for the deadline to file your Intent to Graduate.

College of Business Administration

The College of Business Administration seeks to provide its students with the highest quality academic advising. The intent of the advising system is to assist prospective and current business majors in the development of an educational plan.

New students will:

1. Meet college advising representatives in a group setting during Orientation to discuss college policy, procedures, and degree programs;
2. Review degree requirements at Orientation using Degree Audit and catalog to better understand degree requirements and learn how to read a Degree Audit;
3. Meet with your advisor in the Office of Undergraduate Student Support (US S; BA 2 101) during their first enrolled term to petition transfer work into their degree program;
4. Meet with a Career advisor in the College of Business Administration, BA 2 Room 222 (Career Services Satellite Office), to understand the career options of your major; and,
5. Be advised in the USS if your major is Business Pending.

Continuing students will:

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

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

College of Education

New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in 3000/4000 level classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education;
2. Be advised by the College of Education Office of Student Affairs (ED 110) if their major is Education Pending and be advised in the Academic Advising Center (ED 175) if their major is Elementary Education. Academic advising sessions may be scheduled by calling (407) 823-3723 or (407) 823-5399; and,
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The academic advisor’s name and telephone number appear on the Degree Audit to assist students in making an advising appointment.

Continuing students will:
1. Set up an appointment with an academic advisor if accepted in a major or the Office of Student Affairs, if a “pending major”, to review academic progress and to develop an academic plan. Students are expected to review their plan of study each term with an advisor prior to registration;
2. Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add period; and,
3. File an “Intent to Graduate” on-line by the end of the term prior to the term in which graduation is intended.

College of Engineering and Computer Science

New students will:
1. Meet with the Engineering and Computer Science Academic Affairs representatives in a group setting during Orientation to:
   a. Review the College of Engineering and Computer Science (CECS) academic policies and procedures
   b. Plan an appropriate first term schedule;
2. Meet with a faculty advisor in the department of their major to:
   a. Understand the career options of the major
   b. Discuss degree program requirements; and,
3. Be advised in the CECS Academic Affairs Office (ENGR 107) if Engineering Pending majors. Students are encouraged to seek advisement on determining a major as soon as possible. Failure to declare a major by the end of the first year may result in a delay of graduation.

Continuing students will:
1. Meet with an advisor in the CECS Academic Affairs Office or the department of their major during each term. Computer Science majors will be assigned a faculty advisor once they have passed the Computer Science Foundation Exam. Until that time, Computer Science majors will be advised by the CECS Academic Affairs Office or Computer Science Undergraduate Advising Office in HEC 246;
2. Set up an appointment with an advisor to review your academic progress and to develop an academic plan. Review this plan each term with the advisor prior to registration;
3. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
4. View a Degree Audit, the registration time, and search for classes (once the class schedule is available) through myUCF at https://my.ucf.edu;
5. Register at the scheduled appointment time in myUCF, or in person in the CECS Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add period;
6. Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an engineering advisement hold. This plan must be submitted in person to the CECS Academic Affairs Office each time a student uses the registration process. and,
7. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office, by the last day of classes of the term prior to the term in which the student intends to graduate.

College of Health and Public Affairs

New students will:
Meet college advising representatives in group settings during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study;
3. Plan an appropriate first semester class schedule; and,
4. Meet with an advisor in the COHPA Undergraduate Student Services during the first few months of the first term to be advised toward the major.

Continuing students will:
1. See the COHPA Undergraduate Student Services (HPA2, 115) during the first few months of each semester to check selection of program courses, assignment of a faculty advisor, and progress toward graduation;
2. View a Degree Audit through myUCF frequently to check progress toward course requirements;
3. File an “Intent to Graduate Form” with an advisor in the COHPA Undergraduate Student Services by the end of the term prior to the term in which graduation will occur.

College of Medicine

Burnett School of Biomedical Sciences

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

Continuing students will:
1. Meet with an advisor in the Office of Student Services and Advisement (OSSA) in HPA2, room 335 every semester to check progress toward graduation and selection of program courses;
2. See their faculty advisor each semester to check on possible career and research opportunities;
3. See an advisor in the Office of Student Services and Advisement (OSSA) if pending major for limited-access Medical Laboratory Sciences program during the first few weeks of each semester to check progress toward eligibility for application to the major;
4. View a Degree Audit, registration time, and search for classes (once the class schedule is available) through myUCF;
5. Register for courses at the scheduled appointment time. Complete all schedule changes by the end of the published add period;
6. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the Office of Student Services and Advisement (OSSA), by the end of the term prior to the term in which graduation will occur; and,
7. Pre-health professional students: See Pre-Health Professions Advisor in HPA 124, 407-823-2670.

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

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

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

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

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

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

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

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

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

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

*Molecular Biology and Microbiology majors substitute BSC 3403C (Quantitative Biological Methods) for BSC 2011C.

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

Dates of Importance
The preprofessional screening process is initiated every February. Application packets are available at the Pre-Health Professions Advisement Office during the month of February. Dental and veterinary medicine applicants should return completed packets by February 15. All other applicants (chiropractic, medical, optometry, podiatry, and pharmacy) are encouraged to return completed packets by May 1.

All students should be aware of registration deadlines and test dates for their specific admissions exam (DAT, MCAT, OAT, GRE, etc.). In addition, most four-year health professions schools subscribe to professional application services (AMCAS, ADDSAS, ACOMAS, etc.), thus require completion of a thorough application packet provided by the various application services. Otherwise, the student applicant must deal directly with the admissions office of the school.

College of Nursing
New students will:
Meet college advising representatives in group settings during Orientation to:

1. Discuss degree program requirements;
2. Understand career options of the major program of study; and,
3. Plan an appropriate first term class schedule.

Continuing students will:
1. If accepted in a nursing program, see a faculty advisor during the first few months of each semester to review program courses and check progress toward graduation.
2. If a nursing pending major, see an advisor in the College of Nursing, Office of Undergraduate Student Services, during the first few weeks of each semester to check progress toward eligibility for application to the major.
3. View a Degree Audit through myUCF; and,
4. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which graduation will occur.

College of Sciences
Although students may have multiple advisors, College of Sciences majors must meet with their faculty academic advisor in their major department and/or the staff of the College of Sciences - Academic Support (COSAS, located in CSB 250) as soon as possible.

New students will:
1. Meet in a group setting with representatives from the College of Sciences to discuss college policies and procedures;
2. Meet with representatives of the department of the major to discuss major requirements and plan what courses to take;
3. Refer to COSAS any questions pertaining to General Education requirements, AP and CLEP credit, Gordon Rule, university credit hour requirements, university policies and procedures, etc;
4. Register for classes at a central location; and,
5. Check their “Fee Invoices” to ensure accuracy of their class schedule.

Continuing students will:
1. Contact the department of their major and meet with a faculty advisor during the first two months of any semester to review progress and plan a program of study;
2. Meet with their academic advisor in the department of their major prior to registration, and before the beginning of the term to ensure their schedule is still appropriate.
3. Access the class schedule and Degree Audit online at https://my.ucf.edu.
4. Register for classes through https://my.ucf.edu. Special assisted registration (e.g., overrides, independent study, thesis) for COS courses must be handled in COSAS;
5. Refer to COSAS any questions pertaining to the Degree Audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the Degree Audit should be directed to the department; and,
6. Check their “Fee Invoices” to ensure accuracy of their class schedule.

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

Rosen College of Hospitality Management
New students will:
Meet college advising representatives in group settings during orientation to:
1. Discuss degree program requirements;
2. Understand career options and major programs of study;
3. Plan an appropriate first semester class schedule; and,
4. Review and learn how to interpret a Degree Audit through myUCF.

Continuing students should:
1. See their faculty advisor during the first few weeks of each semester to check progress and to select a program of study;
2. See a program advisor prior to registration to select courses and to make sure you are on track for graduation;  
3. View a Degree Audit through myUCF and contact a program advisor in the Office of Student Services regarding questions or concerns; and,  
4. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which you plan to graduate.

Office of Undergraduate Studies
Office of Interdisciplinary Studies
All students must make an appointment to meet with a member of the Interdisciplinary Studies Advising Team prior to declaring a major in Interdisciplinary Studies.

New students will:
1. Meet with a member of the Interdisciplinary Studies Advising Team in an individual setting during Orientation to discuss policies and procedures, degree program requirements and tracks, and plan an appropriate first semester class schedule;  
2. Schedule a meeting with a member of the Interdisciplinary Studies Advising Team (Classroom I - Suite 302) to officially declare their major and create an individual plan of study;  
3. Meet with an advisor in the department of their minor to review the minor’s program requirements;  
4. Refer to Academic Services any questions pertaining to general education requirements, AP and CLEP credit, Gordon Rule, and other policies and procedures as appropriate; and,  
5. Register for classes online.

Continuing students will:
1. Meet with a member of the Interdisciplinary Studies Advising Team prior to registration and/or before the beginning of each term to review progress and selection of courses and address any questions pertaining to the program;  
2. Access the class schedule and Degree Audit and register online during their scheduled appointment time at https://my.ucf.edu;  
3. Meet with an advisor in the department of their minor to review progress and prior to graduation, confirm that the minor requirements have been met;  
4. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which graduation will occur; and,  
5. Check their Fee Invoices to ensure accuracy of their class schedule.

Regional Campus System
New transfer students are given the opportunity to meet with a Professional or Faculty Advisor prior to applying to UCF and at any time while enrolled to discuss programs and requirements. Students are asked to meet in a pre-advISING session prior to Orientation to determine if the student is a Regional Campus or Orlando Campus student. Orlando Campus students are asked to attend Orientation on the Orlando Campus with the College of their choice. Regional Campus students are required to attend Orientation on the Regional Campuses they plan to attend. The student will receive:
1. Information about the degree programs offered at the Regional Campus;  
2. An understanding of the career options associated with their major program of study; and,  
3. An appropriate program of study along with the first term class schedule.

Regional Campus students have several opportunities to obtain academic advising which begins as co-advISING with the Community College in the DirectConnect to UCF program and continues with the Professional Advisors available at the Regional Campuses. Current students will continue to receive advising on the Regional Campus of their choice for the programs that are available on that campus. For a list of the academic programs available through the Regional Campus System, see “UCF Regional Campuses” within the “University of Central Florida” chapter of the Undergraduate Catalog.

Orlando Campus students may receive supplemental advising on the Regional Campus, in partnership with the College of the major on the Orlando Campus; this will aid the student in taking courses that are offered at the Regional Campus if they are a part of the students’ degree program.
The following section presents information to help students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. from a Florida public community college or state university are guaranteed certain rights and privileges according to the statewide Articulation Agreement. Students transferring without an A.A. from a Florida public institution will want to pay particular attention to UCF’s general education program and how their transfer credits apply to their degree requirements.

Students transferring with an A.S. in one of the statewide articulated degree programs should refer to the “Articulated A.S. to B.S. Programs” chapter of this Undergraduate Catalog. Any questions about these programs should be directed to the Director of Transfer and Transition Services.

Where Can I Go For Help?
For information or assistance during the transfer process, you may contact Transfer and Transition Services, located in Howard Phillips Hall, room 221. Call the Student HOTLINE at 407-823-5959 for immediate access to staff during regular business hours. Visit the Web site at http://transfer.sdes.ucf.edu.

Transfer and Transition Services provides the following services and resources:

- Accurate and current information about university programs and policies including entrance and exit requirements, as well as information concerning:
  - General advising for transfer students before and after they enroll at UCF
  - Pre-admission academic advising for students applying to UCF
  - Advising for students who are undeclared, undecided, or changing majors
  - Peer Mentors provide advising and transition assistance by telephone, e-mail, and office appointments
  - Student information and advising HOTLINE 407-823-5959
  - Web site for transfer students (http://transfer.sdes.ucf.edu)
  - Transfer Knights social club; Tau Sigma Transfer Honor Society
  - Orientation advising and assistance
  - Written articulation agreements between UCF and other universities and colleges

How Can a Community College Counselor or Advisor Help Me?
It is important that you are kept informed of all requirements for transferring to UCF. Community college counselors and advisors are provided with information and resources about the requirements to enter each program at UCF. They can help you determine which classes you need to complete before transferring. Additionally, they have access to information for limited access majors that have special requirements: application deadlines, GPA, testing, portfolios, letters of recommendation, etc.

DirectConnect to UCF provides A.A. and A.S. students and alumni of Brevard Community College, Lake-Sumter Community College, Seminole Community College, and Valencia Community College guaranteed access to UCF. Meet with a DirectConnect advisor as soon as you earn 30 credit hours.

Why Should I Complete My A.A. Before Transferring From a Florida Public Institution?
Receiving your A.A. from a Florida public institution ensures special benefits guaranteed under the statewide Articulation Agreement. The following are some of the advantages of receiving your A.A.:

- Priority in admission to state universities;
- Acceptance of at least 60 credit hours toward the baccalaureate degree; no additional general education core requirements;
- Acceptance of all courses taken at your institution, if the same course with the same course number is offered at UCF;
- Transfer of all accelerated programs (CLEP, AP, IB, early admission, and dual enrollment courses) within the A.A.; official test scores must be sent to receive UCF course credit;
- Advance knowledge of selection criteria for limited access programs; equal opportunity with UCF native students to enter limited access programs; and,
- All grade forgiveness awarded under the A.A. will be honored.

If you do not complete an A.A. at a Florida public community college or university, you must complete UCF’s general education requirements, which may be considerably different from your previous institution’s requirements. In addition, no grade forgiveness will be honored. All attempted credits will be averaged into your GPA for admission purposes. If you have met all the A.A. requirements except the CLAST, you should have “General Education Requirements Met” placed on your transcript to assure getting credit for meeting General Education
What Are the Foreign Language Requirements?

**Admission Requirement:** To be admitted you should complete two years of the same foreign language or American Sign Language in high school (document by submitting an official high school transcript), or 8-10 credit hours in the same language at the college level, or pass a CLEP or other proficiency examination. Students admitted without this requirement must satisfy it prior to graduation.

**Graduation Requirement:** Some baccalaureate degrees require students to demonstrate foreign language proficiency as a graduation requirement; this requirement may be satisfied by college-level course work or testing equivalent to two semesters of college instruction. Some majors require additional proficiency; some departments accept American Sign Language to meet the proficiency. Consult the UCF Undergraduate Catalog for graduation requirements for specific majors. High school courses will not satisfy graduation foreign language requirements. International students required to provide TOEFL scores for admission are considered to have satisfied the graduation requirement.

### How Will My Credits Transfer?

All college level credits earned for which official transcripts have been submitted will be compiled into a Transfer Summary Report (TSR), which is available online. The TSR is the basis for constructing a Degree Audit, which applies earned credits toward your intended degree program. The audit provides you with an assessment of which degree requirements have been met and which remain to be satisfied. You will use the audit to schedule courses that meet your remaining requirements.

**Common Program Prerequisites:** To view generic course substitutions for Common Program Prerequisites that may be offered at the community colleges or other state universities, please go to: [http://www.facts.org > College Students > Transferring > Common](http://www.facts.org > College Students > Transferring > Common)

### Transfer Checklist

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

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

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

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

<table>
<thead>
<tr>
<th>Housing</th>
<th>Y___ N__ met grade requirements for designated courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N__ date application sent (include deposit when required)</td>
<td>Y___ N__ met audition/portfolio/additional admission requirements</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Orientation:</th>
<th>Y___ N__ completed CLAST exam or alternatives</th>
</tr>
</thead>
<tbody>
<tr>
<td><em><strong>/</strong></em> Orientation date at UCF</td>
<td></td>
</tr>
</tbody>
</table>
Prerequisite Manual. Usually these courses will be substituted automatically in your audit to fulfill the correct requirement.

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

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

When Do I Pay My Bill?

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

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

Can Transfer Students Participate in The Burnett Honors College?

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

Transfer and Transition Services

Transfer Tips:
Office Visits for Transfer Advising

■ Students are encouraged to contact Transfer and Transition Services with questions or to schedule an appointment to meet with an advisor. Advisors are available Monday and Thursday, 8:30 a.m. to 5:30 p.m., Tuesday, Wednesday, and Friday 8:30 a.m. to 4:30 p.m.

■ Transfer students accepted to UCF who are undeclared majors or are undecided about their major should contact Transfer and Transition Services prior to Orientation for advisement.

■ Undeclared students with 45+ credit hours are placed on advising hold.

Students should:
■ Submit your application at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted contingent upon completion of the A.A. If you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.

■ Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.

■ Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.

■ Complete the “Student Health Form.” Registration is not allowed without the completion and approval of this form.

■ Complete CLAST if possible; however, you can be admitted without it. Since the A.A. is not awarded without completion of CLAST, privileges provided by the A.A. are not granted (i.e., grade forgiveness, Gordon Rule, and the completion of general education requirements). Without completion of CLAST, but with all general education courses completed, you should request the following statement placed on your transcript: “General Education Requirements Met.” Without this statement, you must satisfy UCF’s general education requirements (including Gordon Rule courses).

■ Complete the “Free Application for Federal Student Aid” (FAFSA). To be considered for all aid available, your financial aid file should be complete by March 1.
DEGREE REQUIREMENTS

General Education Program (GEP)

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

Courses that fulfill the General Education Program requirements are specified, but in some cases an alternate course in the same discipline may be substituted for GEP requirements. These alternate courses, approved by the Faculty Senate Undergraduate Common Program Oversight Committee, are listed in the section identified as "Alternate Courses: General Education Program." Students should consult with an advisor before enrolling in an alternate course. Undergraduate students who have not completed requirements for the Associate of Arts degree and who desire to transfer to another Florida public university can have their transcripts indicate "General Education Requirements Met" upon written request, if they have completed UCF's GEP requirements with a GPA of 2.0 or better. UCF will accept a similar statement on transcripts received from Florida public community colleges and universities in lieu of completion of the University's General Education Program. Students enrolled in courses that use the "NC" grade must earn a grade of "C" (1.75) or better.

General Education Program Learning Objectives

Communications Foundation

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

Cultural and Historical Foundation

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

Mathematical Foundation

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

Social Foundation

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

Substitution of Courses: General Education Program and Other Requirements

The student degree audit system is coordinated by the Office of Academic Services for the evaluation of transfer courses for the University’s General Education Program and Foreign Language Proficiency requirements. When the transfer course work is entered into the UCF computer system (usually during the first semester at UCF), course descriptions and other information to provide a sufficient basis for evaluation may be requested. Courses are evaluated on the basis of equivalency with the content of the courses required by the University. The evaluation conducted is entered into a computerized Degree Audit system and then is available to the colleges and departments through the University’s computer network and for the student online access through myUCF at https://my.ucf.edu. Appeals of transfer credit decisions should be directed to Academic Services (MH 210). Substitution requests for college or major requirements are processed within those administrative offices.

Alternate Courses: General Education Program

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

GEP Requirement  Acceptable Substitutions
MAC 1105 (College Algebra)
MAC 1114, MAC 1140, MAC 2233,
MAC 2233, MAC 2311, MAC 2312,
MAC 2313
MGF 1106 (Finite Mathematics) MGF 1107
ECO 2013 (Macroeconomics) Any higher level ECO course
ECO 2023 (Microeconomics) which has ECO 2013 as a prerequisite
PHY 2053C (Physics) PHY 2048, PHY 2049, PHY 2054C,
PHY 2014C, PHY 5015C
CHM 1020 (Chemistry) CHM 2045C, CHM 3032,
CH 1440, CHM 2040C
& CHM 2041C
BSC 1005 or
BSC 1050 (Biology) BSC 2010C
GEO 1200 (Geography) GEO 2370
CGS 1060C CGS 2100C, COP 2500C,
(Intro to Computer) COP 3502C, COT 3100C
STA 2014C (Statistics) STA 2023, STA 3022
THE 2000 (Theatre) THE 2020
FIL 1000 (Cinema Survey) FIL 2030, FIL 3036, FIL 3037
MUL 2010 (Enjoyment of Music) MUH 2017, MUH 2019, MUH 3212,
MUL 2016, MUL 2720

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

Diversity Requirement

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

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

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

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

Other Courses:
- AMH 3422 Frontier Florida
- AMH 3426 Sunbelt Florida
- AMH 3562 Women in American History II
- AML 3283 Contemporary American Women's Fiction
- AML 3615 Harlem, Haiti, and Havana
- ANT 3245 Native American Religions
- ASH 4304 Women China
- CCJ 4129 Cultural Diversity in Criminal Justice
- CCJ 4670 Women and Crime
- CJE 4174 Comparative Justice Systems
- COM 4014 Gender Issues in Communication
- COM 4461 Internet and Communication
- CPO 3034 Politics of Developing Areas
- EDG 2085 Teaching Diverse Populations
- GEO 3471 World Political Geography
- JST 3401 History of the Jewish People I
- JST 3402 History of the Jewish People II
- LIN 4643 Cross Cultural Communication
- LIN 4XXX African-American Styles of Communication
- LIT 3192 Caribbean Literature
- MMC 4300 International Media
- MUL 2720 Music of the World
- NUR 3805 Transitional Concepts in Nursing I
- PAD 4446 Multiculturalism in Public Administration
- PLA 4020 Law and Society
- PLA 4830 World Legal Systems
- PLA 4XXX Employment Discrimination
- POS 3627 Cultural Pluralism and Law
- PUP 3325 Women and Politics
- PUS4022 Politics and Civil Rights
- PUP 3314 Minority Politics
- PUP 4204 Sustainability
- SOW 3620 Social Work with Minorities
- SPW 4772 Black Presence in Contemporary Latin America
- SYD 3800 Sex Roles in Modern Society
- SYD 3830 Sex Roles in Modern Society
- THE 2320 Commonwealth within Cultural Diverse Experiences
- WST 3561 Introduction to Women’s Studies
- WST 3015 Third Wave Feminism

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.

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

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

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

3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (PH 106).

4. The foreign language proficiency requirement does not apply to students seeking a second baccalaureate degree.

5. A student who is required and furnishes a passing TOEFL (Test of English as a Foreign Language) score for admission to the University is considered to have satisfied the requirements.

American Sign Language
Students pursuing a Bachelor of Arts Degree may substitute American Sign Language for the foreign language exit requirement, except where one or more foreign languages have been specified by a college, school, or program for a specific degree (see individual degree program listings for more information). Proficiency is met either by successful completion of ASL 4161C (previously numbered SPA 4614C) or an appropriate score on the ASL proficiency exam. Contact the Department of Communication Sciences and Disorders regarding the proficiency examination.

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

The Gordon Rule
The “Gordon Rule” (State Rule 6A-10.30) applies to students who first enrolled in any college or university after October 1982. The rule requires students to complete four courses (twelve credit hours) of writing and to complete two courses (six credit hours) of mathematics at the level of college algebra or higher. Each course must be completed with a minimum grade of C- (1.75). UCF courses that are required by the General Education Program also may be used to satisfy the Gordon Rule. “Gordon Rule” requirements may be satisfied by the General Education Program as follows:

<table>
<thead>
<tr>
<th>Gordon Rule Requirement</th>
<th>GEP Courses Which Satisfy:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Six hours of mathematics at the level of college algebra or higher</td>
<td>(1) College algebra or finite math</td>
</tr>
<tr>
<td>2. Six hours of English coursework and six hours of additional coursework with significant college level writing</td>
<td>(1) Six hours of English Composition</td>
</tr>
</tbody>
</table>

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

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

AMI 3402 History of the South to 1865
AMI 3403 History of the South Since 1865
AMI 3441 History of the Frontier: Eastern America
AMI 3442 History of the Frontier: Western America
AMI 3541 U. S. Military History To 1900
AMI 3561 Women in American History I
AMI 3571 Black American History I
AMI 3800 Canadian History
AMI 4110 Colonial America, 1607-1763
AMI 4130 The Age of the American Revolution, 1763-1789
AMI 4140 Jeffersonian America
AMI 4160 Jacksonian America
AMI 4170 Civil War and Reconstruction
AMI 4201 The Gilded Age and Progressivism
AMI 4231 United States History; 1914-1939
AMI 4270 United States History: 1939-1960
AMI 4311 American Culture I
AMI 4313 American Culture II
AMI 4510 Rise of the United States to World Power, 1776-1914
AML 3031 American Literature I
AML 3041 American Literature II
ANT 3163 Mesoamerican Archaeology
ARH 4450 20th Century Art
ARH 4800 Theory and Criticism of the Visual Arts
ASH 4403 China in 19th and 20th Centuries
ASH 4442 Modern Japan, 19th and 20th Centuries
BUL 3130 Legal and Ethical Environment of Business
DAN 3134 Dance History I
EAS 4700C Aerospace Design I
EGN 4412C Interdisciplinary Design I
EMI 4501C Engineering Design
EIH 3322 Medieval Society and Civilization
EIH 3342 Renaissance and Reformation
EIH 3352 Romanticism and Realism
EIH 3342 Modern Europe and the First World War
EIH 3381 Second World War and Rebirth of Europe
EIH 3411 Ancient Rome
EIH 3451 History of Modern France
EIH 3451 War and Society
EIH 4284 Fascism and the Totalitarian Dictatorships
EIH 4465 Hitler's Third Reich
EIH 4500 English History to 1485
EIH 4501 English History: 1485-1815
EIH 4502 British History: 1815-Present
EIH 4571 History of Russia to 1801
EIH 4574 History of Russia: 1801-1917
EIH 4576 History of Russia in the 20th Century
EIH 4620 European Great Powers: 1815-1914
HIS 4150 History and Historians
HUM 3320 Contemporary Multicultural Studies
HUM 3394 Representations of Place and Space
HUM 3401 Asian Humanities
HUM 3431 Ancient Humanities
HUM 3460 Latin American Humanities
HUM 3553 Moses, Jesus and Muhammad
JOU 2100C News Reporting
JOU 3101 Advanced Reporting
JOU 4181 Public Affairs Reporting
JOU 4100 Feature Writing
JOU 4100C Critical Writing
JOU 4308 Freelance Writing
LAH 3190 Latin American History I
LAH 3200 Latin American History II
LAH 3400 History of Mexico and Central America
LAH 3470 History of the Caribbean
NUR 3165 Nursing Research
NUR 3805 Transitional Concepts in Nursing I
PAD 4034 The Administration of Public Policy
PAD 4720 Survey Research in Public Administration
PHI 3100 Ancient Philosophy
PHI 3200 Medieval Philosophy
PHI 3460 Modern Western Philosophy
PHI 3600 Contemporary Philosophy
PHI 3700 American Philosophy
PHI 3803 Research Methods in Philosophy
PHI 3320 Philosophy of Mind
PHI 3322 Minds and Machines; Philosophy of Cognitive Science
PHI 3451 Philosophy of Psychology
PHI 3670 Ethical Theory
PHI 3800 Aesthetics
PHI 3803 Philosophy and Creativity
PHI 3805 Contemporary Aesthetics
PHI 3941 Philosophy Practicum
PHI 4221 Philosophy of Language
PHI 4321 Philosophies of Embodiment: Mind/Body/Self
PHI 4341 Ways of Knowing
PHI 4804 Critical Theory
PHI 4931 Philosophy in the News
PHM 3401 Philosophy of Law
PHP 3781 African-American Philosophy
PHP 4782 Phenomenology
PLA 3155 Legal Writing
PLA 4935 Capstone: Legal Issues
REG 3131 Religion in America
REL 3342 Roots of Western Mysticism
RTV 4403 Electronic Media, Technology, and Society
SOW 4222 Social Welfare Policies and Issues
SOW 4341 Micro-Level Roles and Interventions in Social Work
TSC 2304 Script Analysis
TPA 4940 Technical Theatre/Design Internship
TPF 3310C Directing for Theatre I
TPF 4940L Theatre Internship

College Level Academic Skills Test (CLAST)

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

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

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

CLAST Alternatives

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

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

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

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

CLAST Waiver Petitions for Student with Disabilities

Students with disabilities may request reasonable accommodations while taking the CLAST. Those who are unable to pass a subtest of the CLAST due to disability can request that a subtest be waived. The student must be registered with the Student Disability Services Office (DOS 132) to provide documentation of his or her disability. Contact the Student Success Center (PH 216) to complete a petition to waive a CLAST subtest. The CLAST Waiver Committee reviews all requests for waivers on a case-by-case basis. For disability registration information, contact Student Disability Services at 407-823-2371. For CLAST Waiver petition information and forms, visit http://www.clastwaiver.sdes.ucf.edu/.

Summer Attendance Requirement

A student entering the State University System with fewer than 60 credit hours of credit is required to enroll in a minimum of nine hours of credit in the summer at a State of Florida university. Courses taken at the University during the summer for which the student receives a “W” or “F” may be counted toward this requirement. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. Petition forms for exemption are available from Academic Services (MH 210).

Admission to the Upper Division

To be classified as an upper division student at the University of Central Florida, a student must complete the following:

1. A minimum of 60 credit hours of academic work;
2. The English and mathematics requirements of the Gordon Rule;
3. Passing scores on three of the four parts of the CLAST; and,
4. One year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation Application Deadline

Students must complete the “Intent to Graduate” online at https://my.ucf.edu in the term preceding the one in which they intend to graduate (see the “Academic Calendar” for specific dates). Students who have not applied for graduation by the last day of classes in the term preceding the graduation term may not be listed in the Commencement Program. Graduating students must be enrolled at UCF during the term of graduation. Graduates may contact the Registrar’s Office for Commencement Program and guest ticket information or refer to http://www.registrar.sdes.ucf.edu/commencement.

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

Correspondence Courses

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

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

The current Catalog details enrollment procedures, fees, and course information. A copy may be obtained at no cost by calling or writing to: University of Florida, Independent Study, Suite D, 2209 NW 13th St., Gainesville, FL 32609; 352-392-1711, Ext 200; E-mail: leam@nervm.nercdc.ufl.edu. Web site: http://www.docs.ufl.edu.
ACADEMIC REGULATIONS AND PROCEDURES

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

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

Web Enrollment Guide
The Web Enrollment Guide is maintained online. It provides the official "Academic Calendar" and describes the policies and procedures governing registration each term. The Guide is available on the Registrar’s Office web page at http://www.registrar.ucf.edu/weg/.

Terms and Credit Hours
The University of Central Florida academic schedule consists of two semesters (Fall and Spring), and the Summer term. The graduation credit value of each course of instruction is stated in terms of credit hours. A semester hour of credit or credit hour represents one class hour of work (or two or more laboratory hours of work) per week for a semester. Classes may be offered for a six-week or nine-week session during the Summer term. During this shortened term, two class hours of work (or four or more laboratory hours of work) per week are required to represent a semester hour of credit.

Undergraduate Enrollment Status

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

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

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

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

Holds
A Hold (negative service indicator) may be placed on a student’s records, transcripts, grades, diplomas or registration due to financial or other obligations to the University. Satisfaction and clearance of the Hold is required before a release can be given. Students may check for Holds on the myUCF system at https://my.ucf.edu under the Student Self Service link. To obtain a release for financial Holds, payment to the Cashier’s Office must be made either in cash, credit card, cashier’s check, or money order.

Drop/Swap and Add Policy
Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the "Academic Calendar"). Drop/Swap and Add may be done using the myUCF system (https://my.ucf.edu) or in the college advising offices. After the Add period, no course may be added or dropped without being fee liable. Courses meeting for the first time after the end of the Drop/Swap and Add period may be dropped the next business day in the Registrar’s Office, MH 161. If a student drops courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or will be fee liable. For Withdrawal after the Drop/Swap period, refer to the “Withdrawal Policy” of the Undergraduate Catalog. Please note that, beginning May 2009, the deadline to drop classes without fee liability and a W grade is one day earlier than the last day to add classes. Please consult the Academic Calendar for Drop, Add, and Withdrawal deadlines.

Audit Registration
Audit students are those who desire to attend class(es) without receiving academic credit. Regular tuition and fees are assessed for Audit registration. See the "Fee Schedule" in the "Financial Information" section of the Undergraduate Catalog. Audit registration is on a space-available basis at the prescribed time of Registration, or at any time during Late Registration and Drop/Swap and Add when Late Registration fees will apply. Audit requests for students who register prior to this time will be denied. Students may not change to Audit status after Late Registration and Add, but must remain in the course or withdraw through normal withdrawal procedures.

New students must be accepted for admission to be eligible to audit a course. Audit forms, available on the Registrar’s Web site (http://www.registrar.ucf.edu) and in the Registrar’s and college advising offices, must be signed by the instructor and presented to the Registrar’s Office at the time of registration.

Senior Citizen Audit
Senior Citizens (60 years of age or older) who have been residents of the State of Florida for at least one year as of the first day of classes, may enroll tuition free as Audit students (i.e., no academic credit) on a space-available basis. Forms to be completed include the “Residency Affidavit,” the “Senior 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://www.registrar.ucf.edu. It is necessary to complete the required forms during the last hours of registration as noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic/. Direct student eligibility after the completion of registration include the campus ID card, vehicle registration and textbooks.

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

State Tuition Exemption Program (STEP) (National Guard) Registration
State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis only. Registration is on a space-available basis during the last hours of registration as noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. For waiver eligibility and application information, see “Tuition Waivers” within “Financial Information” of the 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 online at http://www.facts.org. No application fee is required. The “SUS Transient Application Form” must be completed each term and should be completed online or delivered mailed to the Registrar’s Office (MH 161), by the application deadline noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. Students should visit the Registrar’s Office Web site at http://www.registrar.ucf.edu or contact the Registrar’s Office for registration information at 407-823-3100.

UCF Students Attending Another Florida Public Institution
UCF students who desire to attend another Florida public institution as a Transient Student are encouraged to complete the “Transient Student Form” online, which is available on the FACT5 Web site at http://www.facts.org under “College Students” > “Transferring”.

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Academic Regulations and Procedures

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

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

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

Withdrawal Policy
Withdrawal for each term begins after the Late Registration and Drop/Swap period ends. Students may withdraw from a class and receive the notation of “W” until the date noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. A student may withdraw from courses using myUCF at https://my.ucf.edu or by visiting the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5652. Faxed requests must be received by 5:00 p.m. on the last day to withdraw and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students may also mail a written request to the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped before the published withdrawal deadline and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students seeking to withdraw in person must sign the request and provide photo identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advice before withdrawing from a class. If a student withdraws from a course for the entire term with the intent of not returning to UCF, they must also drop courses for any future terms or be fee liable. A student is not automatically withdrawn from a class for not attending, nor can an instructor withdraw a student from a class.

No withdrawal is permitted after the deadline except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to petition for a late withdrawal should consult the Academic Services Web site at http://www.academicservices.ucf.edu/academic_record/ and consult Academic Services (MH 210). At the time of the request, Academic Services will ascertain from the instructor whether the student was passing or failing the course. If the student was passing and the late withdrawal is granted, a “WP” will be recorded on the student’s permanent record; if failing, and a late withdrawal is granted, a “WF” will be entered. Medical and late withdrawals normally are for all courses taken in the term.

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

If a medical withdrawal is approved, a “WM” will be recorded for each course. Students who seek a late withdrawal may be placed on hold until the University can determine that the student is ready to return. If a medical withdrawal is approved, it is expected that the student not enroll at the University in the immediately subsequent term, but will use that time to address the medical condition that necessitated the withdrawal. The student is responsible to drop all courses for any future term or be fee liable. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of “WP” or “WF” will be recorded. A grade of “WF” will affect the calculation of the student’s grade point average.

Following the close of the Late Registration and Drop/Swap period each term, students withdrawing from courses will incur both grade and fee liability. Students with circumstances determined by the University to be exceptional and beyond their control may apply for a cancellation of enrollment and an elimination of fee liability. Exceptional circumstances include, but are not limited to documented sickness, disability, 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) within six months of the end of the term for which the Late Drop is sought.

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

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

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points per Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
</tr>
<tr>
<td>B+</td>
<td>3.35</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
</tr>
<tr>
<td>C+</td>
<td>2.25</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.75</td>
</tr>
<tr>
<td>D+</td>
<td>1.25</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.75</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
<tr>
<td>NC</td>
<td>-</td>
</tr>
</tbody>
</table>

Available only in CHM 1032, CHM 2045C, CHS 1440, ENC 1101, ENC 1102, MAC 1105H, MAC 1105, MAC 1114, MAC 1140, MAC 2147, MAC 2233, MAC 2641, MAC 2253, MAC 2260, MAC 2261H, MAC 2271, STA 108, and STA 2014C. In these classes NC replaces the use of D+, D and D-.

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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 Change

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

Attendance, Absences, or Unsatisfactory Work

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

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a “Program Verification” form. Program Directors shall provide each student with a copy of this form. It is the student’s responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. Absences due to religious observances, practices, and beliefs of the student to the Office of Student Conduct (FC 142) for disciplinary action.

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.

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Student Conduct

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

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

Religious Observances

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

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

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

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

1) Multiply the number of credit hours per course by the number of grade points per grade. Then add each amount to arrive at the total number of grade points earned for that term:

   Course #1  B+ 3 credit hours X 3.25 grade points = 9.75
   + Course #2  A- 3 credit hours X 3.75 grade points = 11.25
   + Course #3  A 4 credit hours X 4.00 grade points = 16
   + Course #4  B 3 credit hours X 3.00 grade points = 9

   = 13 credit hours = 46 total grade points

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

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

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

Incomplete Grade

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

Grade Change

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

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

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

Student Classifications

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

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

Post-Baccalaureate:

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

Graduate:

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

Other Student Classifications:

- Auditor: A student registered for any credit course who is not seeking credit.
- Co-op Student: A student enrolled in the Center for Cooperative Education and Applied Learning Program remains a registered student during all off-campus assignment semesters. Furthermore, there is no lapse in continuity in the co-op academic calendar: a co-op student either is on assignment or attending class during each term.
- Special Student: A student of demonstrated academic ability who does not meet the regular requirements for admission (Early Admission, non-degree-seeking, transient, and auditor).
- Temporary: A student who applied before the deadline and who is permitted to register and attend class pending completion of the admission file.
- Transient: Students temporarily registered (for one term) at UCF with the approval of another university or college where they are regularly enrolled, or a UCF student temporarily in attendance at another university or college, with the approval of UCF. A UCF student may not be enrolled as a Transient student in another institution during the term in which the baccalaureate degree or the A.A. degree is to be awarded.
- Limited Non-Degree Seeking: A student earning credit, but not working on a degree program.
- Provisional: A student entering from a regionally unaccredited high school, college, or university may be admitted on provisional status where appropriate. By obtaining a minimum 2.0 GPA (“C” average) at the end of the first term of attendance, the provisional status will be removed. Earning less than a “C” (2.0) average the first term would result in disqualification.

Academic Honors

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

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

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

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

Dean’s List

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

Baccalaureate Honors and Diplomas

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

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

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

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

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

Honors in the Major

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

Grade Forgiveness

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

1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student’s official transcript. The original course grade will be marked with a “T” to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an “R.” The original grade will appear on the transcript but only the repeated course grade will be calculated into the GPA;
5. If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic withdrawal from the course will be made;
6. If a student applies for Grade Forgiveness and later withdraws, or receives an “I” grade or “NC” grade in the course, the attempt will count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades;
7. UCF does not honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida Public Community College or State University. Grade forgiveness awarded within a bachelor’s degree from a Florida State System institution is not honored at UCF. UCF’s Grade Forgiveness policy.
that a student requires to raise his or her UCF grade point average to 2.0.

Exclusion (Second Suspension or more)  
A student readmitted following Disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Exclusion is most serious and students are not eligible for readmission after Exclusion. An individual who has been Excluded will not be considered for readmission, and may not appeal any failure to be readmitted following Exclusion.

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

Readmission  
A student must apply for readmission to the Registrar’s Office (MH 161) if:  
1) the student has not enrolled at UCF for two consecutive semesters (not including the Summer term);  
2) the student has been academically suspended from UCF;  
3) the student failed to enroll or withdraw from all classes during the readmitted term; or,  
4) the student has previously attended, or is currently enrolled at UCF, as “degree-seeking” and desires to pursue a second bachelor's degree.

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

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

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

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

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

Readmission Following Suspension: Disqualification, with a Grade Point Deficiency of Less than 15 Grade Points  
A student who has been academically Disqualified by UCF (with a grade point deficiency less than 15 grade points) who has completed the two term academic suspension period may petition for readmission by submitting the “Readmission Application Form” to the Registrar’s Office. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF grade point
Academic Regulations and Procedures

average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission. The petitioning student must satisfy the following requirements before a decision will be made:

1. Submit a written statement indicating the reason for the previous academic difficulties and a plan for ensuring success in future terms:
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification Number (PID).
   b. A “Readmission Application Form” not accompanied by the required written statement will not be reviewed;

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

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

Readmission Prior to Completion of the Required Suspension

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

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

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

Dropping or Withdrawing During Readmitted Term

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

Limitations on the Number of Readmission Appeals

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

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

Non-Academic Admission Clearances

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

Appeal

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

Admissions and Standards Committee

The Admissions and Standards Committee is a reporting committee of the Faculty Senate. Its membership includes faculty and non-faculty representatives of the faculty Senate, several academic colleges, the Division of Student Development and Enrollment Services, and Student Government Association. The Admissions and Standards Committee meets regularly to consider appeals from: 1) persons denied admission; 2) students denied readmission; 3) students requesting to continue in school, but who have failed to meet CLAST requirements; and 4) student appeals of University academic actions, policies, or standards. All decisions rendered by the Admissions and Standards Committee are final. Decisions can only be appealed in the event new evidence or information has been determined by the Chair of the committee to be relevant and is subsequently approved for further committee review.

Right of Appeal

A student who is ineligible for readmission or has been denied readmission has thirty (30) days from the date of the denial to appeal for an exception to University policy to the Admissions and Standards Committee. The appealing student must satisfy the following requirements before the Registrar’s Office will forward the appeal to the Committee:

1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);
2. Prepare a written statement specifying the extenuating circumstances that led to their poor academic performance or academic dismissal;
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification number (PID).
   b. An “Application for Readmission as an Exception to University Policy” form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($10 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;
6. Submit ten stapled packets of 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,

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

Accepting students who have not completed the required suspension period, the applicant will be afforded the opportunity to personally appear before the Committee before it renders a decision.

Upon receipt of both the appeal and all required supporting documentation, the Admissions and Standards Committee will render a decision. The decision of the Admissions and Standards Committee is final. Decisions can only be appealed in the event new evidence or information has been determined by the Chair of the committee to be relevant and is subsequently approved for further committee review.

Academic Amnesty Program

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

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

1) Gain the written support for the Academic Amnesty Program from the student's college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college individual student. This plan will include the following:

   a. The specific terms of the student's academic history to be nullified by satisfactory completion of the Academic Amnesty Program;

   b. Approved courses in which the student will enroll during the two terms that comprise the Academic Amnesty Program;

   c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.); and,

   d. Complete and submit an Academic Amnesty Agreement to the Admission and Standards Committee.

2) The UCF Admissions and Standards Committee will determine a student's eligibility for entrance into the Academic Amnesty Program. The student will be required to appear before the Admissions and Standards Committee. Obtain the Academic Amnesty form at [http://www.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, or have their students athlete of their coach, complete a written document stating their methods and dedication to improve their level of academic achievement and the approval of the AERC. The committee shall review each applicant’s academic potential and current status and determine conditions for the individual’s degree of continued participation in intercollegiate athletic activities.

Name Changes

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

Address and E-Mail Changes

The student’s address is initially obtained from the “Application for Admission or Readmission.” It is the students' responsibility to make appropriate changes to the address online at myUCF as they occur. Address and e-mail changes also can be made by writing the Registrar's Office, P.O. Box 160114, Orlando, FL 32816-0114 or fax to 407-648-5022. Written requests must be signed and the student identification number provided.

Transcript Requests

Requests for official transcripts are made through the Registrar’s Office (in person, by mail, by fax or online at myUCF [https://my.ucf.edu]). “Transcript Request Forms” are also available on the Registrar’s Office Web site at [http://www.registrar.ucf.edu/forms/transcript_request/]. A student’s academic record can be released only upon written authorization signed by the student. Telephone and e-mail requests are not accepted. Transcripts cannot be released if the student is on Hold due to a financial obligation to the University. Transcript requests must include the student’s signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are needed, indicate that the transcript request is to be held until all requested data are posted.

A $10 per transcript charge is assessed for each transcript request. Payment for official transcripts is required at the time of request and may be satisfied by cash, check or money order (made payable to UCF), credit card, or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier’s Office during that office’s regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar’s Office (MH 161). Mail written requests for transcripts to: Registrar’s Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-0114. For fax request information and payment procedures, refer to [http://www.registrar.ucf.edu/forms/transcript_request/ or call 407-823-3109. Requests require at least 2 business days to process. Transcripts not claimed with 30 days of printing will be discarded and must be reordered. A $10.00 per reordered transcript fee must be submitted with the reorder request. Graded documents are available from myUCF at [https://my.ucf.edu].

Third Attempt Course Repeat Surcharges

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

Exemptions to the third attempt surcharge will be considered through a Fee Appeal Process. Exemptions to the repeat course fee requirement shall be based on extenuating circumstances, or financial hardship.

Extenuating Circumstances

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

1) Medical condition or serious illness preventing completion;

2) Death of an immediate family member;

3) Involuntary call to active duty; or,

4) Other emergency circumstances or extraordinary conditions.

Special Limitation: students who withdraw or fail a class due to extenuating circumstances may be granted an exemption only once for each class.
Financial Hardship:
Should include, but not be limited to, the following:
1) Qualification for federal need-based financial aid; or,
2) Other documented financial hardship may be considered.

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

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

Majors
The University assigns the major that the student indicated on the “Application for Admission or Readmission.” It is the student’s responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an “Undeclared” or “Undecided” major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may remove their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a “Pending” category to the equivalent major (e.g., Business Pending to “Accounting”). If the new major is a different subject from the “pending” major (e.g., “Business Pending” to “History”), the student must adopt the most current Catalog and the University automatically will update the Catalog year when processing the change in major. If they have not interrupted residency, students entering UCF in an “Undeclared” or “Undecided” category may retain their Catalog when initially selecting a major. The “Undergraduate Major, Change Form” is available at the college and school advising offices of the Registrar’s Office Web site at http://www.registrar.ucf.edu. Forms may be submitted in person to the college/school advising offices, by mail, or in person to the Registrar’s Office (MH 161). Requests must include the student’s identification number and signature.

Minors
A Minor is a complement to a bachelor’s degree program major requiring at least 18 credit hours in a field. A student may declare a minor at any point during the first term of enrollment up to but no later than the online submission of the online “Intent to Graduate Form.” Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from the single UCF Undergraduate Catalog for which a student is eligible. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second degree is earned, certification will not be made at a later time even if additional courses have been completed. The “Undergraduate Minor Declaration/Change Form” is available at the college and school advising offices. Forms may be submitted in person to the college/school advising offices or by mail or in person to the Registrar’s Office (MH 161). Requests must include the student’s identification number and signature.

Undergraduate Certificates
An undergraduate Certificate is a supplement to the bachelor’s degree program major. Certificates are optional. Effective Summer 2005 students may receive an undergraduate Certificate by completing all requirements for an undergraduate Certificate program. Students must be admitted in a degree seeking program to be eligible to receive an undergraduate Certificate. Certificate programs may not be taken independently of a degree program. All graduation requirements (i.e. the certificate and major/minor) must be from the same UCF Undergraduate Catalog for which a student is eligible. Certificates may be attained at any time during the student’s undergraduate career. Some certificates may restrict awarding the certificate to time of degree completion. The undergraduate Certificate is awarded upon completion of the certificate requirements as determined by college for each specific certificate. The Undergraduate Certification form is available at the college advising offices.

Student Records
Student records submitted become the property of the University and cannot be returned to the student or released to a third party. Copies of student records will be released only upon receipt of a written request signed by the student. Student records are stored in paper form or are digitally scanned. Once the student has been absent from the University for three academic years, all records may be transferred to optical disk storage and the paper copies destroyed.

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

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

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

3. The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, National Student Clearinghouse, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility; and

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by a State University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

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

Directory Information
FERPA authorizes the University to classify certain information concerning students as “directory information,” which means that it may be released to anyone upon request. In accordance with Florida Statutes Section 228.093, the University is required to release student directory information to independent vendors upon request. Directory information at UCF includes:

- name
- current mailing address
- telephone number
- date of birth
- major field of study
- dates of attendance
- enrollment status
- degrees and awards received
- participation in officially registered activities and sports
- athletes’ height and weight
All other student information will be released in accordance with FERPA; in most cases this requires the student's prior written and signed consent. The University extends to students the opportunity to withhold any or all information, including "directory information." Students can do this online at myUCF or complete the "Directory Disclosure/Release Authorization" form available at the Registrar's Office (MH 161) or at http://www.registrar.ucf.edu, requesting that this information be withheld. The Golden Rule outlines the University procedures for confidentiality. For additional information describing FERPA policy, enter the Department of Education Family Policy Compliance Office Web site at http://www.ed.gov/offices/OM/fpc/. 

Higher Education Act

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

Accelerated Educational Opportunities

The University of Central Florida provides a number of options by which students may shorten the time required to complete the baccalaureate degree. These options permit the University to recognize high levels of academic achievement and acquisition of knowledge prior to or during attendance at the University. Procedures that may be used include the Advanced Placement Program (AP), the College Level Examination Program (CLEP), University Course Credit by Examination, DANTES, and the International Baccalaureate. A maximum of 45 credit hours in any combination of extension, AP, IB, correspondence, CLEP, Armed Forces Service School Credits, and University Credit by Examination will be accepted by the University for application toward an undergraduate degree. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. In addition, there are accelerated Undergraduate - Graduate Programs linking the bachelors and Master's degree listed in the Undergraduate Catalog.

Test credit is applied according to the published policy at the time the credit is received and posted by the University.

Advanced Placement Program (AP) (see table below)

Students who have participated in the Advanced Placement Program in high school and have received a score of 3, 4, or 5 on the national examinations will receive college credit in the appropriate subject areas. Students should consult their high school guidance counselor or write to the Educational Testing Service, Princeton, NJ 08540, for additional information. The table labeled "Advanced Placement Exams" provides information related to Advanced Placement examination areas and sub-test areas for which credit may be awarded.

Advanced Placement Language (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits - XXX 2230 or 2220) of 2000-level language. A score of 4 or 5 earns a minimum of two semesters (min. 6 credits XXX 2230 and 2231 or XXX 2220 and 2201) of 2000-level language. No literature credit will be awarded for AP foreign language exams.

Advanced Placement Literature (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits) of introductory literature. A score of 4 or higher earns a minimum of two semesters (min. 6 credits) of introductory literature.

Advanced Placement Latin

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

ADVANCED PLACEMENT (AP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>Score of 4</th>
<th>Score of 5</th>
<th>Score of 4</th>
</tr>
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<tbody>
<tr>
<td>Art History</td>
<td>ARH 1000</td>
<td>ARH 2050</td>
<td>ARH 2050</td>
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</tr>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>BSC 2010C</td>
<td>BSC 2010C</td>
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<tr>
<td>Calculus AB</td>
<td>MAC 2311</td>
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<td>Same as 3</td>
<td>Same as 3</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>MAC 2311</td>
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<td>Same as 3</td>
<td>Same as 3</td>
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<tr>
<td>Chemistry</td>
<td>CHM 1020 &amp; 1020L</td>
<td>CHM 2045c or CHM 2045c</td>
<td>Same as 3</td>
<td>Same as 3</td>
</tr>
<tr>
<td>Chinese Language &amp; Culture</td>
<td>CHI 2200</td>
<td>CHI 2200</td>
<td>CHI 2200</td>
<td>Same as 3</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>CGS 1075</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>Same as 3</td>
</tr>
<tr>
<td>Computer Science AB</td>
<td>CGS 1076</td>
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<td>Same as 3</td>
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<tr>
<td>Economics: Macro</td>
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<td>Same as 3</td>
<td>Same as 3</td>
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<tr>
<td>Economics: Micro</td>
<td>ECO 2023</td>
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<td>Same as 3</td>
<td>Same as 3</td>
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<tr>
<td>English Language and Composition</td>
<td>ENC 1101</td>
<td>ENC 1101</td>
<td>ENC 1101</td>
<td>Same as 3</td>
</tr>
<tr>
<td>English Literature and Composition</td>
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<td>ENC 1101</td>
<td>ENC 1101</td>
<td>Same as 3</td>
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<tr>
<td>Environmental Science</td>
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<tr>
<td>European History</td>
<td>EUH 1009</td>
<td>EUH 2000</td>
<td>EUH 2000</td>
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<tr>
<td>French Language</td>
<td>FRE 2200</td>
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<td>FRE 2200</td>
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<tr>
<td>German Language</td>
<td>GER 2200</td>
<td>GER 2200</td>
<td>GER 2200</td>
<td>Same as 3</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>
<td>Same as 3</td>
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<tr>
<td>Government and Politics: United States</td>
<td>POS 2041</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>Same as 3</td>
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<tr>
<td>Human Geography</td>
<td>GEO 2400</td>
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<td>Same as 3</td>
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<tr>
<td>Italian Language &amp; Culture</td>
<td>ITA 2200</td>
<td>ITA 2200</td>
<td>ITA 2200</td>
<td>Same as 3</td>
</tr>
<tr>
<td>Japanese Language &amp; Culture</td>
<td>JPN 2200</td>
<td>JPN 2200</td>
<td>JPN 2200</td>
<td>Same as 3</td>
</tr>
<tr>
<td>Latin: Literature</td>
<td>LNW 3700</td>
<td>LNW 2201</td>
<td>LNW 2201</td>
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<tr>
<td>Latin: Vergil</td>
<td>LNW 2201</td>
<td>LNW 2201</td>
<td>LNW 2201</td>
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<tr>
<td>Music Theory</td>
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<td>MUT 1111</td>
<td>MUT 1111</td>
<td>Same as 3</td>
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<td>Music Theory</td>
<td>MUT 1001</td>
<td>MUT 1111</td>
<td>MUT 1111</td>
<td>Same as 3</td>
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<td>Music Theory</td>
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<td>MUT 1111</td>
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<tr>
<td>Physics B</td>
<td>PHY 2053C</td>
<td>PHY 2053C</td>
<td>PHY 2053C</td>
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<tr>
<td>Physics C: Electricity/Magnetism</td>
<td>PHY 2054C</td>
<td>PHY 2054C</td>
<td>PHY 2054C</td>
<td>Same as 3</td>
</tr>
<tr>
<td>Physics C: Mechanics</td>
<td>PHY 2053C</td>
<td>PHY 2053C</td>
<td>PHY 2053C</td>
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<tr>
<td>Psychology</td>
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<td>Same as 3</td>
<td>Same as 3</td>
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<tr>
<td>Russian Language &amp; Culture</td>
<td>RUS 2230</td>
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<td>Spanish Language</td>
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<td>Spanish Literature</td>
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<td>SPN 3000</td>
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<tr>
<td>Statistics</td>
<td>STA 2023</td>
<td>MAT 2023</td>
<td>MAT 2023</td>
<td>Same as 3</td>
</tr>
<tr>
<td>Studio Art: Drawing Portfolio</td>
<td>ART 2000C</td>
<td>ART 2000C</td>
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<td>Same as 3</td>
</tr>
<tr>
<td>Studio Art: 2-D Design Portfolio</td>
<td>ART 2001C</td>
<td>ART 2001C</td>
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</tr>
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<td>Studio Art: 3-D Design Portfolio</td>
<td>ART 2003C</td>
<td>ART 2003C</td>
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<tr>
<td>United States History</td>
<td>AMH 1000</td>
<td>AMH 2010</td>
<td>AMH 2010</td>
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<tr>
<td>World History</td>
<td>WOH 2022</td>
<td>CUL &amp; HIS Found 1</td>
<td>CUL &amp; HIS Found 1</td>
<td></td>
</tr>
</tbody>
</table>
Academic Regulations And Procedures

International Baccalaureate Program

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

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<tbody>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 1005/1005L and BSC 2010C</td>
<td>SCI Found 2</td>
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<tr>
<td>Business Management</td>
<td>GEB 2011</td>
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<td>GEB 2011 and 2905</td>
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<tr>
<td>Chemistry</td>
<td>CHM 1030 and 1030L</td>
<td>SCI Found 1</td>
<td>CHM 1030/1030L and CHM 2045C</td>
<td>SCI Found 1</td>
</tr>
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<td>Computer Science</td>
<td>CSE 1078</td>
<td>MAT Found 2</td>
<td>CSE 1078 and 1906</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
<td></td>
<td>ETI 1410 and 1906</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td></td>
<td>ECO 2013 and 2023</td>
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<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
<td></td>
<td>EVR 1017 and 1906</td>
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<tr>
<td>English A1</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>ENC 1101 and 1906</td>
<td>COM Found 1</td>
</tr>
<tr>
<td>Environmental Systems</td>
<td>ISC 1050</td>
<td>SCI Found 2</td>
<td>ISC 1050 and 1906</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Film Studies</td>
<td>FIL 1001</td>
<td>CUL and HIS Found 2</td>
<td>FIL 1001 and 1906</td>
<td>CUL and HIS Found 2</td>
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<tr>
<td>French</td>
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<td>FRE 1111C and 1906</td>
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<tr>
<td>Further Mathematics</td>
<td>MHP 1202</td>
<td>MAT Found 1</td>
<td>MHP 1202 and 1906</td>
<td>MAT Found 1</td>
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<tr>
<td>Geography</td>
<td>GEA 1000</td>
<td></td>
<td>GEO 1200 and 1900</td>
<td></td>
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<tr>
<td>German</td>
<td>GER 1121</td>
<td></td>
<td>GER 1121C and 1900</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>WOH 1030</td>
<td>CUL &amp; HIS Found 1</td>
<td>WOH 1030 and WOH 1999</td>
<td>CUL &amp; HIS Found 1</td>
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<tr>
<td>Information &amp; Information Technology for a Global Society</td>
<td>IDS 1006 (3 credits)</td>
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<td>IDS 1906 (6 credits)</td>
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<td>Islamic History</td>
<td>ASH 1906 (5 credits)</td>
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<td>ASH 1906 (6 credits)</td>
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<tr>
<td>Latin</td>
<td>LAT 2230</td>
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<td>LAT 2230 and 1906</td>
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<tr>
<td>Math Methods</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
<td>MAC 1105 and 1906</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Math Studies</td>
<td>MAT 1033</td>
<td>MAT Found 1</td>
<td>MAT 1033 and MGF 1106</td>
<td>MAT Found 1</td>
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<tr>
<td>Mathematics</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
<td>MAC 1147 and 1906</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Music</td>
<td>MUL 2010</td>
<td>CUL &amp; HIS Found 2</td>
<td>MUL 2010 and HUM 1906</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Philosophy</td>
<td>PHI 2010</td>
<td>CUL &amp; HIS Found 2</td>
<td>PHI 2010 and 1906</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Physics</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 1</td>
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<tr>
<td>Psychology</td>
<td>PSY 1022</td>
<td>SCI Found 2</td>
<td>PSY 2012 and 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Social Anthropology*</td>
<td>ANT 2410</td>
<td>SOCI Found 2</td>
<td>ANT 2410 and 1906</td>
<td>SOCI Found 2</td>
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<tr>
<td>Spanish</td>
<td>SPN 1121</td>
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<td>SPN 1121C and 2230</td>
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<tr>
<td>Visual Arts</td>
<td>ART 1012</td>
<td></td>
<td>ART 1012 and 1906</td>
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</tr>
</tbody>
</table>

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

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

**COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)**

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 50 for passing</th>
<th>GEP Usage</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting, Financial</td>
<td>ACG 1001</td>
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<tr>
<td>Accounting, Principles of Accounting, Algebra, College</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
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</tr>
<tr>
<td>Algebra-Trigonometry, College</td>
<td>MAC 2147</td>
<td>MAT Found 1</td>
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</tr>
<tr>
<td>American Government</td>
<td>POS 2041</td>
<td>SOC Found 1</td>
<td></td>
</tr>
<tr>
<td>American Literature</td>
<td>AML 1000</td>
<td>CUL &amp; HIS Found 2</td>
<td></td>
</tr>
<tr>
<td>Biology, General</td>
<td>BSC 1005</td>
<td>SCI Found 2</td>
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<tr>
<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
<td>MAT Found 1</td>
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<tr>
<td>Calculus</td>
<td>MAC 2233</td>
<td>MAT Found 1</td>
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</tr>
<tr>
<td>Chemistry, General</td>
<td>CHM 1020</td>
<td>SCI Found 1</td>
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<tr>
<td>Educational Psychology, Introduction to</td>
<td>EDP 1902</td>
<td>MAT Found 1</td>
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</tr>
<tr>
<td>English Composition with Essay</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td></td>
</tr>
<tr>
<td>English Literature</td>
<td>ENL 1000</td>
<td>CUL &amp; HIS Found 2</td>
<td></td>
</tr>
<tr>
<td>French Language</td>
<td>FRE 1120C</td>
<td></td>
<td>Score of 62 or higher exams</td>
</tr>
<tr>
<td>German Language</td>
<td>GER 1120C</td>
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<td>Score of 63 or higher exams</td>
</tr>
<tr>
<td>History of the United States I: Early Colonizations to 1877</td>
<td>AMH 2010</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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<tr>
<td>History of the United States II: 1865 to Present</td>
<td>AMH 2020</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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<tr>
<td>Human Growth and Development</td>
<td>DEP 2004</td>
<td>MAT Found 1</td>
<td></td>
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<tr>
<td>Humanities</td>
<td>HUM 2250</td>
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<tr>
<td>Information Systems and Applications</td>
<td>CSE 1077</td>
<td>MAT Found 2</td>
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</tr>
<tr>
<td>Macroeconomics, Principles of Business</td>
<td>ECO 1013</td>
<td>SOC Found 1</td>
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<tr>
<td>Management, Principles of Business</td>
<td>MAN 2021</td>
<td>MAT Found 1</td>
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<tr>
<td>Marketing, Principles of Business</td>
<td>MAR 2011</td>
<td>SOC Found 2</td>
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<tr>
<td>Mathematics, College</td>
<td>MGF 1106</td>
<td>MAT Found 1</td>
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</tr>
<tr>
<td>Microeconomics, Principles of Business</td>
<td>ECO 2023</td>
<td>SOC Found 1</td>
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<tr>
<td>Precalculus</td>
<td>MAC 1140</td>
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<tr>
<td>Psychology, Introductory</td>
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<td>Sociology, Introductory</td>
<td>SYG 2000</td>
<td>MAT Found 1</td>
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<tr>
<td>Spanish Language</td>
<td>SPN 1120C</td>
<td></td>
<td>Score of 63 or higher exams</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>MAC 1114</td>
<td>MAT Found 1</td>
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</tr>
<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>EUR 2000</td>
<td>CUL &amp; HIS Found 1 or 3</td>
<td></td>
</tr>
<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>EUR 2001</td>
<td>CUL &amp; HIS Found 1 or 3</td>
<td></td>
</tr>
</tbody>
</table>
## Language B (most common)
Students earn a minimum of one semester (3 credits) of language credit at the Elementary Language II or equivalent (usually 1121C) level for a score of 4. Students who score 5-7 earn a minimum of two semesters (min. 6 credits) of Elementary Language II and Intermediate Language I or their equivalents (usually 1121C/2200) level. No literature credit will be awarded for International Baccalaureate Language B exams.

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

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

## IB Latin
LNW 3700. This is a unique number assigned to this exam. The IB Latin course includes a reading component and a selection of two out of four authors on a list that changes periodically. Minimum 3 credits for score of 4, 6 credits for score of 5-7.

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

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

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

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

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

### DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade</th>
<th>Credit</th>
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<tbody>
<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
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<td>48</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
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<td>Business Law II</td>
<td>BUL 2242</td>
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<td>Business Math</td>
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<td>Criminal Justice</td>
<td>CCJ 1000</td>
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<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
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<tr>
<td>Ethics in America</td>
<td>PHI1630</td>
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<tr>
<td>Fundamentals of College Algebra</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
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<td>Foundations of Education</td>
<td>EDF 1002</td>
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<td>Fundamentals of Counseling</td>
<td>PCO 1202</td>
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<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SOC Found 2</td>
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<tr>
<td>History of the Vietnam War</td>
<td>AMH 2059</td>
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<td>Human Resources Management</td>
<td>MAN 1300</td>
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<td>46</td>
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<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
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<td>Intro to Computing</td>
<td>CGS 1060</td>
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<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
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<tr>
<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>CUL and HIST Found 2</td>
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<tr>
<td>Introduction to Business</td>
<td>GEB 2011</td>
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<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
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<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
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<td>Management Information Systems</td>
<td>ISM 1000</td>
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<td>Money and Banking</td>
<td>BAN 1501</td>
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<td>Organizational Behavior</td>
<td>INP 1002</td>
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<td>Personal Finance</td>
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<td>Physical Geology</td>
<td>GLY 1000</td>
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<td>Principles of Finance</td>
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<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
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<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
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<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
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<td>Principles of Statistics</td>
<td>STA 1014</td>
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<td>Principles of Supervision</td>
<td>MNA 1345</td>
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<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
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<td>Technical Writing</td>
<td>ENC 2210</td>
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<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
<td></td>
<td>47</td>
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</tr>
</tbody>
</table>

**Cambridge AICE Exams (see table on previous page)**
The Advanced International Certificate of Education (AICE) program is an international, advanced secondary curriculum and assessment program equivalent to the British system of “A-Levels.” Information about the program, including course syllabi, can be found online at [http://www.cie.org.uk/q_and_s/gce_a/index.html](http://www.cie.org.uk/q_and_s/gce_a/index.html).

**DANTES Examination Credit (see table below)**
The University will award credit to students presenting qualifying scores in DANTES examinations. The table labeled “DANTES Subject Standardized Tests (DSST)” provides information related to the Dantes Examination credit. For additional information: [http://www.getcollegecredit.com](http://www.getcollegecredit.com).

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

### EXCELSIOR COLLEGE EXAMINATIONS TABLE

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade</th>
<th>Credit</th>
</tr>
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<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td>COM Found 1</td>
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<td>English Composition</td>
<td>ENC 1101</td>
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<td>40</td>
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<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
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<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
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<td>Human Resources Management</td>
<td>MAN 1300</td>
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<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
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<td></td>
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<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
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<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td></td>
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</tbody>
</table>
The Office of International Studies (OIS) connects UCF students and faculty to diverse world communities. Its mission is to promote, support, facilitate, advocate, and implement activities that lead to the internationalization of education and research at UCF. This is accomplished through: development and administration of UCF study abroad programs; faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

**Study Abroad Programs**
http://www.studyabroad.ucf.edu

By its very nature, study abroad provides an exciting setting for learning - one in which student interaction is central to the learning process. Study abroad participants learn about new environments, customs and, in many cases, new languages. They deal with the uncertainties of international travel and must adapt to the dynamics of the group. Maturity, self-confidence, and awareness of other cultures are only some of the benefits of study abroad. Students are invited to expand their classroom, their experience, and their future through study abroad. UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience, while matching the specific needs and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

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

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

There are many more study abroad options. It is important that interested participants investigate their choices, the requirements and the implications to that each choice has in terms of cost, credit transferability and progress toward graduation. OIS staff members can provide program advice and general information about options. For up-to-date information, please visit [http://www.studyabroad.ucf.edu](http://www.studyabroad.ucf.edu) or contact OIS at 407-882-2300.

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

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

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

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

- Internships are available to students on all campuses in all Colleges. They are courses that provide one-term of major or career-related work experience, structured for learning with reflection, supervision and evaluation, paid or unpaid, and most often for credit. Internships usually occur toward the end of a student's program of study and can be part-time (usually during the school year) or full-time (usually during summers). They are available through the Experiential Learning department or through other academic departments in Colleges. Contact information for department internship coordinators is on the Experiential Learning Web site.

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

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

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

National Consortium for Academics and Sports (NCAS)
Director: Suzi Katz-Slowinski, BA 2 113; 407-823-5243
http://www.ncasports.org

The mission of the Southeast Regional Office of the National Consortium for Academics and Sports (NCAS) at the University of Central Florida is to help create a better society by focusing on educational attainment and using the power and appeal of sport to positively affect social change. The NCAS reaches this goal in the Central Florida community and in southeast region by making programs available in the areas of diversity training, gender violence prevention, media awareness and building well rounded student-athletes who represent themselves and their University well and, alcohol education. The NCAS also cultivates partnerships between the University, local schools, community organizations, and other non-profit agencies that also are committed to serving the community. For additional information, visit the National Consortium for Academics and Sports Web site at http://www.ncasports.org.

Division of Continuing Education
Assistant Vice President/Director: J. Patrick Wagner; University Tech Center, 12565 Research Parkway, Suite 300, Orlando, FL 32826; 407-882-0260; Fax: 407-882-0244
http://www.ce.ucf.edu

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

Off-Campus College Credit Programs
Assistant Vice President/Director: J. Patrick Wagner; University Tech Center, 12565 Research Parkway, Suite 300; 407-882-0260; Fax: 407-882-0244

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

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

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

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

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

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

The Center for Economic Education strives to increase public knowledge of economic principles and their applications in daily life. Research is 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; 9907 Universal Blvd., Suite 231-A Orlando, FL 32819, 407-903-8010; Associate Director: Roberto Croes; 9907 Universal Blvd., Suite 219-C, Orlando, FL 32819, 407-903-8028; E-mail: DPI@mail.ucf.edu

The purpose of the Dick Pope Sr. Institute for Tourism Studies is to improve the quality of the tourism product while increasing the benefits of tourism for the industry, state of Florida, and local communities. The Institute involves itself in a variety of research projects and educational programs.

Research includes the collection, development, and dissemination of information relevant to the tourism and hospitality industry in the areas of: marketing, consumer behavior and visitor satisfaction, feasibility, economics, motivation, and forecasting. Some of the Institute's partnerships include tourism promotion agencies at the state and local levels; tourism development commissions; professional associations; and private enterprises such as attractions, hotels, restaurants and other food-service establishments, ground and air transportation companies, travel agencies and tour operators, and other related businesses. The Institute devotes significant efforts to educating the public about the tourism industry on state and international levels, as well as its contribution to the social and economic welfare of the community at large.

Executive Development Center
Executive Director, Bob Case, 407-235-3904; Associate Director, Jaime Patterson, 407-235-3912; 407-235-3801; E-mail: edc@bus.ucf.edu

The University of Central Florida College of Business Administration is proud to serve as a partner in executive education to the local, state, national, and international business communities. The Executive Development Center was established to provide leading executive education programs to both individuals and organizations.

The Center helps professionals from all industries become more dynamic leaders, more effective managers, and more valuable team members. Corporations benefit from participating in executive education programs by developing more productive and resourceful workforces that can meet the challenges of today's changing marketplace and tomorrow's opportunities.

The Center serves as a valuable resource in executive training and development by offering programs that address critical issues for managers and business leaders. These programs are offered in a variety of formats suitable for any individual or corporation through:
- Executive MBA Program
- Professional MBA Program
- Professional Masters Programs

http://www.pass.ucf.edu
FSI supports member schools and other educational and commercial customers, providing opportunities for student involvement in real-world space programs. FSI is a State of Florida Type I Institute headquartered at UCF, but has 10 member schools statewide. Because FSI is located at the Space Center and not on the UCF campus, the programs are embedded within the existing space environment of the Center, at both the NASA/Kennedy Space Center and the Cape Canaveral Air Force Station locations. Typical research areas include small satellite innovations, basic and applied research for a broad range of training devices and systems. Driven by a proven record of research achievement, IST has developed unique qualifications and is positioned to provide the enabling technologies and technical talent necessary to research new ways to use simulation, improve human-agent interaction, and educate the next generation of scientists and professionals. In April 1985 a State of Florida resolution recognized the institute as part of a Center of Excellence for Simulation and Training.

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

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

- Multi-resolution simulation
- Virtual, mixed, and augmented reality
- High performance computing
- Human-machine interface, robotics
- Computer-generated forces
- Mathematical foundations
- Application development
- Information management technology
- Human factors psychology and team training
- Cognitive science/augmented cognition
- Media convergence
- Embedded simulation
- Advanced performance technology

IST actively assists UCF in the development of simulation-related curricula. First in the nation with a master’s degree in simulation systems, the university in collaboration with IST now offers a truly multidisciplinary PhD in modeling and simulation. Both master’s and doctoral programs accept applications from graduate students in computer science, digital media, psychology, engineering, mathematics, business, and other related disciplines. The institute annually employs more than 80 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, IST is a launching pad to a career in the simulation industry. A significant number of existing professionals, both in government and industry, enroll in modeling and simulation graduate programs to continue their advanced education and hone their research skills.
Special Academic Programs and Research Institutes

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

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

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

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

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

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

Since 1989, students and faculty of University of Central Florida have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of 96 colleges and universities and a contractor for the U.S. Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members.

Through the Oak Ridge Institute for Science and Education (ORISE), the DOE facility that ORAU operates, undergraduates, graduates, postgraduates, as well as faculty enjoy access to a multitude of opportunities for study and research. Students can participate in a number of programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are specially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines. A comprehensive listing on these programs and other opportunities, their disciplines, and details on locations and benefits can be found in the ORISE Catalog of Education and Training Programs, which is available at [http://see.orau.org](http://see.orau.org), or by calling either of the contacts above.

ORAU’s Office of Partnership Development seeks opportunities for partnerships and alliances among ORAU’s members, private industry, and major federal facilities. Activities include faculty development programs, such as the Ralph E. Powe Junior Faculty Enhancement Awards, the Visiting Industrial Scholars Program, consortium research funding initiatives, faculty research and support programs as well as services to chief research officers.

Small Business Development Center (SBDC)
**Regional Director:** Eunice Choi; Disney Entrepreneur Center, 315 E. Robinson St., Suite 100, Orlando FL 32801; 407-420-4850; E-mail: echoi@bus.ucf.edu [http://www.bus.ucf.edu/sbdc](http://www.bus.ucf.edu/sbdc)

The Small Business Development Center (SBDC) is part of a statewide organization designed to promote economic development by responding to the needs of the small business community. The SBDC, as part of the College of Business Administration at the University of Central Florida, is responsible for eight counties in the Central Florida area including four Sub-Centers located at Daytona Beach Community College, Brevard Community College, Seminole Community College, and Kissimmee Chamber of Commerce. Assistance is provided through workshops and individual counseling in the following areas:

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

Additional programs provide assistance to clients in the areas of government contracting and international trade.
### ACADEMIC DEGREES, MAJORS AND MINORS

#### Associate of Arts Degree
University of Central Florida students who satisfactorily complete 60 credit hours of acceptable college work may apply for an Associate of Arts degree. University requirements include achievement of a minimum UCF GPA of 2.0, fulfillment of the General Education Program requirements, and completion of the last 20 credit hours in residence at UCF. In addition, any student who desires to receive an A.A. degree must have satisfied the Gordon Rule requirement and passed the College Level Academic Skills Test.

The Associate of Arts degree is awarded only upon application. The application form may be obtained in Academic Services, MH 210 and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded or in any term following the completion of the baccalaureate degree.

#### Baccalaureate Degrees
The University offers the degrees of Bachelor of Applied Science, Bachelor of Arts, Bachelor of Arts in Business Administration, Bachelor of Engineering Technology, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, and Bachelor of Science in Social Sciences. These degrees are available in the following Colleges with majors or areas of specialization as indicated:

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

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

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

**Majors:** Art, Film, Theatre

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

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

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

**Majors:** Photography

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

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

**Bachelor of Arts**

**Economics**

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

(Regional campuses only)

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


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

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

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

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

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

**Majors:** Cardiopulmonary Sciences, Communication Sciences and Disorders, Criminal Justice, Health Information Management, Health Sciences - Athletic Training, Health Sciences - Pre-Clinical Track, Health Services Administration, Legal Studies, Public Administration, Radiologic Sciences

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

**Major:** Social Work

#### College of Medicine
**Burnett School of Biomedical Sciences**

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

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

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

**Major:** Nursing

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

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

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

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

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

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

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

(Regional campuses only)

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

**Major:** Interdisciplinary Studies

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

**Majors:** Interdisciplinary Studies
### Academic Minors by College

<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Health and Public Affairs</td>
<td>Aging Studies, American Sign Language and Deaf Studies, Communication Sciences and Disorders, Criminal Justice, Emergency Management and Homeland Security, Health Information Management, Health Sciences, Health Services Administration, Legal Studies, Nonprofit Management/ American Humanities National Certification Program, Public Administration, Urban and Regional Planning</td>
</tr>
<tr>
<td>College of Medicine Burnett School of Biomedical Sciences</td>
<td>Molecular Biology and Microbiology</td>
</tr>
</tbody>
</table>

### College Awarding Minor | Name of Minor
---|---
Rosen College of Hospitality Management | Hospitality Management
Office of Undergraduate Studies | Environmental Studies, Leadership Studies, World Comparative Studies

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

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

### Graduate Programs

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

Dean: Alvin Wang; 407-823-2076, Fax 407-823-6583
http://www.honors.ucf.edu
Assistant Dean: Martin Dupuis
Director of Administrative Services: Donna Plaisted
Director of Advising: Rex Roberts
Director of Information Systems: Andrew Holloway
Director of Research and Civic Engagement: Kelly Astro
Director of Student Affairs: Jill Norburn
Director of Student Development: Nicole Gelfert
Director of Student Services: Madi Dogariu

Committed to diversity in both the composition of its student body and the programs that it supports, The Burnett Honors College (TBHC) at UCF provides a challenging and exciting educational experience to academically talented students. TBHC combines the atmosphere of a small college with the intellectual stimulation of a large metropolitan research university. Honors students receive an education that prepares them to enter the best graduate and professional schools as well as pursue distinguished careers.

Honors classes are small, and course work crosses traditional disciplinary boundaries to encourage critical thinking. Beyond the classroom, special guest lecturers, field trips, study abroad, research opportunities, and university-related service activities expand the horizons of Honors students.

Students in TBHC are actively involved in social activities and course programming. They also have priority registration privileges and access to the Honors Reading Room, Computer Lab, and Honors Housing.

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

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida community college that has signed an Honors Articulation Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services.

Students must maintain a minimum 3.2 UCF GPA and a minimum of 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors the student must: 1) complete 12 hours of Honors lower-division course work; 2) complete the freshman Honors Symposium; and 3) meet upper-division Honors course requirements determined by college or major.

By the end of the second week of the term in which a student plans to graduate with University Honors, the student must file a completed “Intent to Graduate with University Honors” form with TBHC and complete an exit interview. A student who completes all of the requirements for University Honors will have the designation of “University Honors” entered on the diploma and transcript.

Summary Table of University Honors Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDH 1920H</td>
<td>Honors Interdisciplinary Seminar</td>
</tr>
</tbody>
</table>

The current upper-division requirements are as follows:

University Honors Upper-Division Program Requirements:

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

University Honors Upper-Division Program Requirements:

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

Note: Please refer to the “UCEF Courses and Descriptions” section of this Undergraduate Catalog for information on direct prerequisites for the above courses.

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

University Honors Upper-Division Program Requirements:

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

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

University Honors Upper-Division Program Requirements:

- College of Health and Public Affairs (COHPA)
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Health Sciences courses
     - COP 3502H Computer Science I
     - COP 3503H Computer Science II
     - COT 3100H Introduction to Discrete Structures
     - ENC 3241H Writing for the Technical Professional

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

University Honors Upper-Division Program Requirements:

- College of Nursing
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete NUR 3165H Nursing Research
  3. Complete one of the following nursing courses
     - NUR 3525H The Role of the Professional Nurse
     - NUR 437H Health Care Issues, Policy, and Economics
     - NUR 432H Leadership, Management, and Role Transition
     - NUR 3826H Bioethical and Legal Issues in Healthcare

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

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

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

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

Acceptable Waivers

Please see The Burnett Honors College Web site at: http://www.honors.ucf.edu for a listing of acceptable waivers. Students should obtain waivers from the Office of Honors Advising (BHC 107) prior to their participation in the listed programs. Students may only receive one waiver of credit per undergraduate career.

Notes

Students who are pursuing University Honors in two degrees must complete an extra Upper-Division course or Interdisciplinary Seminar. Honors in the Major (HIM) courses do NOT count for University Honors requirements. However, EGN 4931H and NUR 3165H can count for HIM Directed Readings.
UCF/USF Accelerated Medical School Program for Students of The Burnett Honors College
http://www.honors.ucf.edu/Admissions_UCF-USF.asp

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

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

Transfer students are not eligible for this program.

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

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

Students attending the USF Medical School during their fourth year of matriculation (3+4 track) may transfer a maximum of 30 hours of coursework 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 Burnett Honors College will provide oversight of the 4-year medical school curricular component of the program.

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

Honors in the Major
Application for admission to the Honors in the Major program will be made to TBHC following consultation by the student with the Department Chair or Honors in the Major Coordinator in the student’s major department. This program is designed to encourage original and independent work by the student. Two copies of the thesis, project, or creative work will be placed in the University Library with another copy remaining in The Burnett Honors College Reading Room. An Honors in the Major Handbook outlining the procedures for completing this program is available online at http://honors.ucf.edu/docs/HIM/himhandbook.pdf.

Requirements for admission to Honors in the Major are: completion of at least 30 credit hours of college credit including at least 12 graded upper-division hours at the University of Central Florida; at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses regardless of institution. Students must also seek approvals by the department from which Honors in the Major is sought and from the Director of Research and Civic Engagement of TBHC.

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and the completion of at least three but not more than six hours of Directed Readings course work as determined by the academic department; and at least three but not more than 12 hours of Honors Thesis or Project work taken in the college or department of major. Engineering majors must take ENG 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 COI/PA Honors Interdisciplinary Course. Departments or colleges may set additional requirements for Honors in the Major to be completed.

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

The student must file an “Intent to Graduate with Honors in the Major” form with the TBHC Office of Research and Civic Engagement by the third day of classes of the semester of their anticipated graduation date. A student who completes all of the requirements for Honors in the Major, including maintaining at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses, will have the designation of “Honors in [subject area]” noted on the diploma and the University transcript. 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 encourage sophomores and juniors identify and work with faculty mentors in a research area of shared interest. SMART is open to all UCF students with a minimum overall GPA of 3.2. A limited number of SMART grants are competitively awarded to students and faculty for fall, spring, or summer semester research. Students seeking more information about SMART should visit http://www.honors.ucf.edu/SMART_main.html

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

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

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

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

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

**Preprofessional Programs**

**Prelaw Program**

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

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

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

**Advisement**

**CAH Student Advising (CAHSA)**

Director: Delia Garcia; CNH 202; 407-823-3312; E-mail: cahsa@mail.ucf.edu

http://www.cah.ucf.edu

CAH Student Advising (CAHSA) is the primary office for undergraduate academic assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting the College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 202 or by calling 407-823-2492. Questions concerning the requirements within a major should be directed to the Department offering the degree. The student should contact the department early in his/her academic career and meet with his/her advisor for course planning every semester.

**Program Planning**

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

**Area Studies Programs**

Area Studies programs are multi-disciplinary programs that focus on specific regions or cultural groups. UCF has six area studies programs with an international focus: African American, American, Asian, Judaic, Latin American, Caribbean and Latino/a Studies, and Middle Eastern. Although the academic home of these programs is the College of Arts and Humanities, faculty and students from across the entire university may participate in them. These programs may be elected as minors by students majoring in any discipline within the university. For more information about the programs and contact numbers of the program directors see the list below.

**International Study Centers**

**Undergraduate Inter-institutional Transient Program**

The State University System operates study centers in London, England and Florence, Italy during the Fall and Spring semesters. Students with 27 or more credit hours of credit and a minimum GPA of 2.5 or above in all state universities are eligible to apply for one or both semesters as inter-institutional transient students. Faculty at the centers are drawn from the nine state universities. While credits are earned through Florida State University, which administers the program on behalf of the State University System, credits are fully transferable within the System. Students at the Centers are considered to be resident in their home institutions for attendance and degree purposes.

Classes at the Florence Center emphasize art, history, Italian, social sciences, and the humanities; at the London Center, theatre, business, English, history and the social sciences are emphasized. Field trips and museum visits are common to both. For further information, consult the Office of International Studies at 407-882-2300.

**Programs, Tracks, and Degrees**

<table>
<thead>
<tr>
<th>Title</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>African-American Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>American Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Art</td>
<td>BA, BFA, Minor, MFA</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Cinema Studies (Film)</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Community Arts - PAVE</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Dance</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Digital Media</td>
<td>BA, MA, MFA, Certificate, Minor</td>
</tr>
<tr>
<td>English</td>
<td>BA, MA, Minor, MFA, Ph.D., Certificate</td>
</tr>
<tr>
<td>Film</td>
<td>BFA, MFA</td>
</tr>
<tr>
<td>Modern Language Combination</td>
<td>BA</td>
</tr>
<tr>
<td>French</td>
<td>BA, Minor</td>
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<tr>
<td>German</td>
<td>BA, Minor</td>
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<tr>
<td>History</td>
<td>BA, MA, Accelerated MA, Minor</td>
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<td>Humanities</td>
<td>BA, Minor</td>
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<td>Italian</td>
<td>BA, Minor</td>
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<tr>
<td>Jazz Studies</td>
<td>Certificate</td>
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<tr>
<td>Judaic Studies</td>
<td>Certificate</td>
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<tr>
<td>Latin American Area Studies</td>
<td>Minor</td>
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<tr>
<td>Middle Eastern Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Music</td>
<td>BA, BM, MA, Minor</td>
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<tr>
<td>Music Education</td>
<td>BME</td>
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<tr>
<td>Philosophy</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Religious Studies</td>
<td>BA, Minor</td>
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<tr>
<td>Spanish</td>
<td>BA, MA, Minor</td>
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<tr>
<td>Teaching ESL</td>
<td>MA</td>
</tr>
<tr>
<td>Theatre</td>
<td>BA, BFA, MA, MFA, Minors in Dance, Theatre</td>
</tr>
<tr>
<td>Translation and Interpretation</td>
<td>Certificate</td>
</tr>
<tr>
<td>Women’s Studies</td>
<td>Minor, Certificate</td>
</tr>
</tbody>
</table>
The College of Arts and Humanities offers a minor in Asian Studies. This program requires students to select relevant electives from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, and Theater. The program's interdisciplinary approach emphasizes the artistic and intellectual traditions of Asian Americans, and is dedicated to developing expertise and knowledge of the black experience in the African Diaspora.

Degrees: None
Tracks: None
Minors: Asian Studies

American Studies: Program
Contact: Lyman Brodie; CAH 190; 407-823-2292
The College of Arts and Humanities offers a minor in American Studies. This program prepares students to select relevant electives from literature, humanities, social sciences and history.

Degrees: None
Tracks: None
Minors: American Studies

Department of Art
Chair: TBA; VAB 117; 407-823-2676; E-mail: art@ucf.edu
http://www.art.cah.ucf.edu
Faculty: Abbas, Abraham, Ahearn, Burrell, Chavda, Cooper, Francis, Gaudek, Hall, Haran, Haxton, Isenhour, Kim, Kovach Lotz, Martin, Poindexter, Price, Reedy, Rivers, Robinson, Spencer, Wyatt, Zaho

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

The Art Department affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

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

Asian Studies: Program
Contact: Paul Giordano; CNH 523; 407-823-2472
An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (anthropology, art history, economics, English, foreign languages, history, humanities, philosophy, political science).

Degrees: None
Tracks: None
Minors: Asian Studies

Community Arts—PAVE: Program
Program Director: Janet Kilbride; VAB 117; 407-823-2676
A minor in Community Arts—Partners in Art in Visual Education (PAVE) is offered for the student who is majoring in Art, Music, Theatre, or English.

Degrees: None
Tracks: None
Minors: Community Arts

Department of Digital Media
Interim Chair: José Maunez-Cuadra; OTC5 500; 407-823-6100; E-mail: digitalmedia@dm.ucf.edu
http://www.dm.cah.ucf.edu
Faculty: Croft, Frederick, Fristicks, Hadrika, Hughes, Kenny, Maunez-Cuadra, McDaniel, Mosshel, Peters, Smith, Story, Sung, Theen, Underberg, Wirth

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

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

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

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

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

Department of Film
Interim Chair: Steve Schlow; COM 121; 407-823-0694; E-mail: film@ucf.edu
http://www.film.cah.ucf.edu
Faculty: Cook, Finch, Gerstein, Harris, Ingle, Johnson, Jones, Mills, Rohdie, Sandler, Schlow, Stoeckl, Wolfe

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

Tracks: None

Degrees: Latin American, Caribbean, and Latino Studies

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

The Latin American Area Studies Minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand Latin America, the Caribbean and Latinos in the United States. Students completing the minor will be prepared to apply their knowledge on the areas covered by the minor in a variety of careers including, but not limited to education, government, journalism, foreign service, social and community service, international trade, and public relations.

Degrees: None

Tracks: None

Minors: Latin American Area Studies

Middle Eastern Studies: Program

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

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

Degrees: None

Tracks: None

Minors: Middle Eastern Studies

Department of Modern Languages and Literatures

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

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

The Department provides instruction in Arabic, Chinese, French, German, Italian, Japanese, Russian, Spanish, and with majors in French, Spanish, and a Combination Major (two languages). The language combinations may consist of French, German, or Spanish as a first language, and any of these three, plus Italian, as a second language. These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), Modern Language Combination (BA), TESOL (MA)

Tracks: None

Minors: French, German, Italian, Spanish

Department of Music

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


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

The Department of Music offers a Bachelor of Music degree with options in performance and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music
Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, Student Chapters of MENC and ACDA, and Music Student Advisory Council.

**Degrees:** Music (BA, MA), Music Education (BME), Music Performance (BM)

**Tracks:** Music Performance, Composition

**Minors:** Music

### Department of Philosophy

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

[http://www.philosophy.cah.ucf.edu](http://www.philosophy.cah.ucf.edu)

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

The Department of Philosophy offers a Philosophy major, a Religious Studies major, and a Humanities major, with a track in Philosophy, Religion, and Popular Culture as well as minors in Philosophy, Humanities, Religious Studies, and Cognitive Sciences. The Department requires all majors to receive advisement prior to registering each semester. Majors should schedule appointments with their departmental advisor. For any course used to satisfy a requirement (including electives) of the Philosophy major, the Humanities major, and Religious Studies, a grade of "C" or better must have been received.

**Degrees:** Philosophy (BA), Religious Studies (BA), Humanities (BA), Humanities - Philosophy, Religion and Popular Culture (BA)

**Tracks:** Regular and Honors

**Minors:** Cognitive Sciences; Humanities; Philosophy; Philosophy, Religion & Popular Culture; Religious Studies

### Department of Theatre

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

[http://www.theatre.cah.ucf.edu](http://www.theatre.cah.ucf.edu)

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

The Department of Theatre seeks to develop theatre artists of the highest quality by providing a select number of students with the training, education, and experiences necessary for the successful pursuit of professional careers in theatre arts and the entertainment industries. In support of this mission and the liberal arts goals of the College of Arts and Humanities, the department seeks to provide its students with the knowledge and skills necessary to live full, rewarding and productive lives. Offering undergraduate Bachelor of Arts and the Bachelor of Fine Arts degrees, as well as graduate Masters of Arts and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University, the community and the central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensely with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students, faculty, and staff.

**Degrees:** Theatre (BA, BFA, MA, MFA)

**Tracks:** Acting, Design and Technology, Stage Management, Musical Theatre, Theatre for Young Audiences

**Minors:** Theatre Studies, Dance, Theatre

### Women’s Studies: Program

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

[http://www.womensstudies.cah.ucf.edu](http://www.womensstudies.cah.ucf.edu)

**Faculty:** Oliver, Preston

The Women’s Studies program offers an interdisciplinary minor and a certificate in Women’s Studies in cooperation with several departments, programs, and schools. The program examines women’s roles in and contributions to past and present societies, and provides practical and theoretical knowledge about women’s and gender issues.

**Degrees:** BA (Interdisciplinary Studies)

**Tracks:** Women’s Studies Track in Interdisciplinary Studies

**Minors:** Women’s Studies, Certificate

**Program Academic Learning Compacts** (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: [http://www.oeas.ucf.edu/alc/alc_students_cahum.htm](http://www.oeas.ucf.edu/alc/alc_students_cahum.htm)
The College Mission Statement can be condensed into one sentence: The College of Business Administration advances the University’s mission and goals in providing intellectual leadership through teaching, research, and service. The vision is to create within the College an environment that nurtures learning and exploration, provides opportunities for faculty to disseminate information, provides educational opportunities for students, businesses and the general public, and provides a platform for many and various forms of partnerships.

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

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

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

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

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

- Completion of the University General Education program or an AA degree from a Florida Public Community College, and a minimum GPA of 2.0.
- Common Program Prerequisites with a minimum of a 2.0 GPA and “C” or better in each class.
- Completion of all Gordon Rule requirements.
Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of “C” (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study. Courses taken at community colleges do not substitute for upper division courses. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

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

GEB 3031 Cornerstone
GEB 3356 Introduction to International Business
BUL 3130 Legal and Ethical Environments of Business
ECO 3411 Quantitative Business Tools 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 – 16 credit hours of course work is considered to be carrying a normal academic load. Students in the College of Business Administration desiring to take more than 17 credit hours in the Fall and Spring terms, and 14 credit hours in the Summer term must obtain permission from the College.

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

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

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

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

5. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

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

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

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

Programs and Degrees

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

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

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

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

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

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

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

Department of Economics
Chair: W. Milton; BA2 305-D, 407-823-3266; E-mail: economics@bus.ucf.edu

Faculty: Braun, Buhagiar, Butterfield, Caputo, Charavorty, Dickie, Euzert, Gerking, Gibbs, Harrison, Holfer, Martin, McHone, Milton, Moore, Pennington, Potter, Rutsstrom, Scrogin, Soskin, Underwood, White, Yang

Faculty Advisors: R. Pennington, BA2 303-B, 407-823-2640, E-mail: robertp@mail.ucf.edu; U. Chakravorty, BA2 302S, 407-823-4728; N. Underwood, BA2 302N, 407-823-1403

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

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

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

Distinctive Benefits

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

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

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

Faculty: Ajayi, Anderson, Borde, Botts-Wright, Byrd, Chambolis, Chen, Curcio, Choi, Dalrymple, Frye, Gatchev, Gilkeson, Gregg, Hoffman, Park, Phillips, Ramanal, Schnitzlein, Singer, Smith, Sweo, Strum, Weaver, Whyte

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

Distinctive Benefits

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

Degrees: Finance (BSBA), Real Estate (BSBA)
Minors: International Business, Real Estate, Finance

Certificates: Banking, Commercial Real Estate, Investments, Real Estate Brokerage, Corporate Finance, Mortgage Brokerage, Real Estate Appraisal

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

This option allows students to develop a general program of study which will satisfy career objectives not provided for by the specialized areas of concentration. To pursue this option, students should seek advisement in the Department of Economics. An academic advisor will be assigned to assist each student in developing a meaningful program of study.

Degrees: General Business (BSBA, MBA, Ph.D)
Minors: For non-Business majors

Department of Management
Chair: F. Jones; BA 335; 407-823-2679

Faculty: Ambrose, Becker, Blenecke, Boettcher, Callarman, Cleaver, Connell, Daugherty, Folger, C. Ford, R. Ford, Gay, Harris, Holland, Haung, Keon, Kuenzi, Latham, Mayer, McDonald, Migenes, Nichols, O’Neal, Piccolo, Putchinski, Quinn, Rockmore, Salvador, Schminke, Tzabbar, Viggiano

Tomorrow’s managers must be prepared to meet the challenges of a highly dynamic and rapidly changing business environment. The objective of the Management program is to prepare students for the excitement and opportunities that this presents. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations.

The curriculum is designed so that students can choose to concentrate in specialized areas of Entrepreneurship and Human Resource Management, or students can choose to major in General Management which allows them to take a broader variety of course work and prepares them for general management responsibilities.

The General Management major prepares students for a career that involves decision making responsibilities regardless of organization or assignment. The department goal is to emphasize the expertise, knowledge, and skills necessary to be not only a team player, but ideally a team leader. Whether the student is studying leadership, motivation, staffing, or international management, the curriculum will sharpen students’ skills in problem identification, analysis, and solution. The major can lead to a variety of rewarding careers in management positions throughout the organization. The department offers more specialized training - using the same approach - via our Human Resource Management major. Career paths include positions in training and development, personnel and employee relations, equal opportunity and labor relations, human resource consulting, and more. For students interested in starting their own business or working for smaller fast growing 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.
- Internships that provide real-world experience and enhanced job opportunities.
- A “hands-on,” applied focus in our courses.
College of Business Administration

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

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

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

MIS involves the study of how organizations use information and information technology to overcome problems or create opportunities. The MIS major prepares students to become problem solvers in a time when information is advertised as the “fourth factor of production,” and in an era when government agencies report that one of ten information technology 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 to operate 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, Operations Management/Enterprise Systems

**Department of Marketing**
Chair: R. Michaels; BA 307; 407-823-2108
http://www.bus.ucf.edu/marketing/index.htm

Faculty: Allen, Bonicci, Davis, Desiraju, Echambadi, Ganesh, Gundy, H. Hovatt, Joshi, Krishnamoorthy, Mao, Massiah, Mayfield-Garcia, Michaels, Rubin, Sooder, Stock, Vanhoucke

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 in the college.
- Comprehensive course offering each semester and summer - you can finish!
- Full-time faculty teach approximately 90% of undergraduate classes offered by the Department.
- Strong emphasis on preparing students for marketing management careers.
- Approximately 15 scholarships awarded annually on a competitive basis.
- Opportunities to participate in honors in the major, internships, independent projects, and directed studies.
- Opportunities to participate in national award-winning student chapters of the American Marketing Association and The Society for Marketing Professional Services (SMPS).

**Degrees:** Marketing (BSBA)
**Tracks:** Generalist, Sales
**Minor:** Marketing

**Certificates:** Selling and Sales Management, Retailing Management, e-Marketing, Sports Marketing, Healthcare Marketing, Services Marketing, Entertainment Marketing

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

**Program Academic Learning Compacts** (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://www.ceas.ucf.edu/alic/alc_students_cba.htm
The role of the College of Education at the undergraduate level is to provide a high-quality education for students in preparation for careers in early childhood, elementary, secondary/K-12, and exceptional education, technical education and industry training, and sports and fitness professions. The College of Education is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education is the leading source of education baccalaureate degrees in the State of Florida.

Success to Significance

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

Partnerships with eleven Central Florida school districts
- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Academy for Teaching, Learning and Leadership
- Toni Jennings Exceptional Education Institute
- Florida’s Literacy and Reading Excellence Center (FLaRE)
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Programs in Education
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly qualified teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Majors in Early Childhood, Elementary, Exceptional and English Language Arts Education graduate with an ESOL Endorsement
- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)
- Florida Marriage and Family Research Institute
Admission to the College of Education

Admission to the College will be granted when students meet the following requirements:

- Complete the University General Education requirements or an equivalent (i.e. an AA degree from an approved Florida community college or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Education.
- Pass all four parts of the General Knowledge Test and/or CLAST examination. It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year.
- Complete education common program prerequisite courses with a minimum letter grade of "C-" (1.75) or better and a 2.0 GPA overall in the education common program prerequisite area.

Transfer Notes:
Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida Public Community College are cautioned to pay careful attention to the General Education and Program Prerequisites sections of their intended major. Students are responsible for all ESOL assignments for UCF ESOL-infused courses that may be transferred from other institutions.

New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
2. Be advised by the College of Education Office of Student Affairs (ED 110) if their major is Education Pending. An appointment is recommended (407) 823-3723.
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The advisor's name and telephone number appear on the Degree Audit and in myUCF to assist students in making an advising appointment.
4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education based on program requirements.

Continuing students will:
1. Set up an appointment with their academic advisor upon acceptance to their major, or the Office of Student Affairs, if a "PENDING" major, to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
2. View a Degree Audit through myUCF;
3. Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add/Drop period;
4. Utilize LiveText software based upon program requirements; and
5. File an on-line "Intent to Graduate Form" by the end of the term prior to the term in which graduation is intended.

Office of Student Affairs
Executive Director: Tina M. Smilee, ED 110, 407-823-3723
http://education.ucf.edu/StudentAffairs/

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

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

Clinical Experiences
Director: Bryan Zugelder; ED 110, 407-823-2518
http://www.education.ucf.edu/clinicalexp/

Clinical experiences provide students with a broad range of instructional opportunities in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of education programs and consist of early practicum experiences, as well as internships. Placement of students is the responsibility of the College of Education’s Office of Clinical Experiences.

Students must be aware: that certain crimes may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements.

All applications for internships are accessed at the Clinical Experiences Web site and are approved by the Office of Clinical Experiences.

Application deadlines for all Internships are:
- February 15 for Fall semester
- September 15 for Spring semester

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

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

- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- A minimum overall GPA of 2.5 or higher.
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a "C-" (1.75) or better in all prerequisite methods/specialization courses. However, a minimum overall GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Complete a formal application for Internship I online by deadlines listed above.
- Meet any special departmental or program requirements
- Be recommended by the faculty of the department of the student’s major
- The Early Childhood Education program includes a seminar/field experience course in lieu of Internship I.

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

Internship II
Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program coordinator and department chair. Internship II is a 12 semester hour experience (depending on the program) normally completed during the student’s last semester.

Admission to Internship II
Admission to Internship II will be granted when students have met the following requirements at the time of application.

- Successful completion of Internship I
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test
- It is highly recommended that students take and pass the FTCE Subject Area Exam before applying for Internship II.
- Possess a minimum overall GPA of 2.5 (2.75 required for Early Childhood Education majors).
- Possess minimum professional preparation GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a "C-" (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation and specialization areas. (A minimum of 2.75 GPA is required for Early Childhood Education majors.)
Complete a formal application for Internship II by the published deadline
Be recommended by the faculty of the department of the student’s major
Meet any special departmental or program requirements

Students must also have completed all methods courses and most of their specialization courses. Some programs require all specialization courses to be completed prior to Internship II. Students must also be approved for admission by the faculty in the department of the student’s major. Internship II experience is completed locally and is arranged by the Office of Clinical Experiences.

*Some programs may specify a different GPA requirement for admission

Minority Programs in Education (MPIE)
Tina M. Smile; ED 110; 407-823-0184
http://education.ucf.edu/mpie/

Minority Programs in Education (MPIE) is designed to recruit and retain diverse students as they prepare for a career in education. MPIE provides future educators with financial assistance, academic support, and professional development. Each student admitted into the program is paired with a faculty mentor in the College.

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

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

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

Admission to the University of Central Florida does not imply admission to the College of Education. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education after they have been admitted to the College. Admission includes having a minimum 2.5 overall GPA (2.75 for Early Childhood Education) and passing scores on the General Knowledge Test (GKT).

Graduation Requirements
To qualify for graduation, a student must successfully complete all coursework to include a minimum overall GPA of 2.5 (2.75 for Early Childhood Education majors), a minimum 2.5 GPA in all specialization courses, and a minimum 2.5 GPA in professional preparation courses. In addition, students in state-approved initial teacher preparation programs must pass all applicable sections of the Florida Teacher Certification Exam (FTCE) and complete a portfolio according to program guidelines.

Alternative Certification for Non-Degree Students
All students who have earned a Baccalaureate degree from an accredited institution and who desire to be certified in Elementary Education must complete an undergraduate or masters degree program in Elementary Education. For other certification areas for which the College has programs, students may elect to complete 1) an undergraduate degree 2) a graduate degree or 3) an alternative program as a post-baccalaureate student. Students must meet regular admission requirements for the College of Education and Teacher Education.

Program Objectives
- Recruit and retain diverse students interested in careers in teaching
- Promote academic excellence and foster professional development
- Assist in job placement
- Encourage community involvement and commitment

Scholarship Requirements
Students must meet the following criteria:
- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida Resident
- Be admitted into the UCF-College of Education as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application
- Interview with the Scholarship Application Review Committee
- Submit two letters of recommendation and current resume
- Complete 40 hours of community service for each year the scholarship is received
The College of Education Academic Advising Center provides academic advising assistance for newly admitted elementary education students.

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

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

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

**Chair:** Anne McDonald Culp; ED 209-E; 407-823-1272

**Assistant to the Chair:** Roanne G. Brice; ED 206-H; 407-823-0664


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

Students who major in Early Childhood Education are qualified to teach Pre-Kindergarten through grade 3 upon graduation and receipt of a Pre-Kindergarten through Primary Florida Teaching Certificate (Pre-Kindergarten Exceptional Student Education is embedded in this certification).

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

Several graduate level programs are available in the department:


See individual program Web sites and the graduate catalog for additional details. You can start by going to the CFCS Web site: [http://education.ucf.edu/cfcs/](http://education.ucf.edu/cfcs/)

**Department of Educational Research, Technology and Sciences**

**Chair:** Alexander-Snow, Atkinson, Bai, Beverly, Boyd, Bozeman, Cintron, Doherty, Gunter, Hahs-Vaughn, Hirumi, Lee, McGee, Miller, Murray, B., Murray, K., Pawlas, Sivo, Taylor, Witta

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

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

**Department of Educational Studies**

**Chair:** Karen L. Biraimah; ED 209-R; 407-823-5426

**Assistant to the Chair:** Brenda Thompson; ED 206-E; 407-823-6579

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

The Department of Educational Studies serves all students in the College of Education. The Department provides instruction in the core professional courses that address the competencies and skills needed by all undergraduate majors. These courses emphasize learning theory, teaching strategies, diversity, and the social, philosophical and historical foundations. The Department provides courses for all masters and doctoral programs in education, and coordinates the core courses for the Education Doctoral Program and the Graduate Certificate in Initial Teacher Professional Preparation. The Department houses the Specialist in Education program, the M.A. in Applied Learning and Instruction, the M.A. in Curriculum and Instruction and the M.Ed. in Teacher Leadership and Graduate Certificate options in Gifted Education, Urban Education, and Multicultural and Global Education.

Educational Studies graduate courses provide opportunities for students to advance their knowledge and skills related to multicultural, social, and psychological factors, curriculum and instructional theories, and the historical and philosophical factors that influence education. The department also houses the Educational Studies Minor and the Educational Studies Certificate and Substitute Teaching Certificate programs.

**Department of Teaching and Learning Principles**

**Chair:** Michael Hynes; ED 209-D; 407-823-2005

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


**Elementary/Middle Education**

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

**K-12 Education**

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

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

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

Executive Associate Dean:
Essam Radwan; HEC 114; 407-823-2156
Interim Associate Dean for Academic Affairs:
Charles Reilly; ENGR 107; 407-823-2455
Assistant Dean for Distributed and Distance Learning:
Alfred Ducharme; ENGR 289; 407-823-5765

Director, Academic Affairs:
Melissa Dagley-Falls; ENGR 107; 407-823-2455
Director, College Honors Programs:
Donald Maloof; ENGR 114; 407-823-2414
Director, Educational Partnerships:
Bruce Furino; ENGR 281; 407-823-4927

Undergraduate Majors and Degrees

Aerospace Engineering
Civil Engineering
Computer Engineering
Construction Engineering
Electrical Engineering
Electrical Engineering Technology - Electrical Systems Concentration
Engineering Technology - Design Concentration
Engineering Technology - Operations Concentration
Environmental Engineering
Industrial Engineering
Information Systems Technology
Information Technology
Mechanical Engineering

Accelerated BS/MS Degree Program

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

College Vision

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

College Mission Statement

The CECS primary mission is to further the knowledge and practice of the engineering and computer science professions nationally and internationally by:

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

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

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

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

College Core Values

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

College Goals

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

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

College Organization

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

All components of the Engineering and Computer Science Division offer advanced studies leading to master’s degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700.

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

The College houses the ROTC Division for those students desiring to pursue military training while earning their degree. The AFROTC program offers a minor in Aerospace Studies, and the AROTC program offers a minor in Military Science.

The Honors Program in the College of Engineering and Computer Science

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering, engineering technology, and computer science majors an enriched educational, technical, professional and cultural experience that significantly augments the basic curricula. Honors students constitute academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

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

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

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and would like to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers.

The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs except for Electrical and Computer Engineering. Electrical and Computer Engineering students in the HIM program use the HIM credits in lieu of Senior Design I and II. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

The latter will result in an undergraduate thesis which will describe the research done by the student. The student will defend his/her thesis before a committee of faculty in the field as part of an oral examination covering the honors work. A sponsoring faculty member is required to supervise the undergraduate thesis.

In order to be admitted to the Honors in the Major program, the student must:

1. Have at least 60 credit hours, including at least 12 graded, upper division credit hours at UCF.
2. A minimum UCF GPA of at least 3.20 in all upper division courses.
3. A minimum GPA of 3.50 or more in the Engineering option courses.
4. A recommendation by a sponsoring faculty member. Exceptions to the eligibility criteria may be made by the College Honors Committee in individual cases, upon recommendation by a sponsoring faculty member.

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/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 Program. The application will be found in The Burnett Honors College section of this catalog; or on the home page associated with a particular program, see the listing for General Development (Academic Development) Scholars Program (see the section on the LEAD Scholars Program found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering, Engineering Technology, and Computer Science Programs

On each UCF engineering, engineering technology, computer science, and information technology program follows, and more current information can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog.

Department of Civil, Environmental, and Construction Engineering

Chair: Lakshmi N. Reddi; ENG2 211; 407-823-2841; Fax: 407-823-3315
http://www.cece.ucf.edu

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

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

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, transportation, water resources, and environmental engineering. Courses in mathematics, physics, and chemistry are prerequisites for this major. The Civil Engineering major requires a minimum of 120 credit hours of coursework, including 48 hours of core Civil Engineering courses.

The curriculum is designed to provide a strong foundation in engineering principles and practices, as well as an understanding of the social, ethical, and environmental implications of engineering decisions. Coursework includes statics, dynamics, mechanics of materials, fluid mechanics, soil mechanics, and structural analysis.

The program also emphasizes the importance of sustainable development and the need for engineers to consider the long-term impacts of their work on society. Students are encouraged to engage in research and internships to gain practical experience and to develop their problem-solving skills.

Graduates of the Civil Engineering program are prepared for careers in a variety of fields, including consulting engineering firms, government agencies, construction companies, and environmental engineering firms. They may also pursue advanced degrees in civil engineering or related fields.

The Bachelor of Science in Civil Engineering (BSCIE) requires a total of 120 credit hours, including 48 hours of core Civil Engineering courses and 72 hours of electives. The program also includes courses in mathematics, physics, and chemistry.

The Civil Engineering program is accredited by the Accreditation Board for Engineering and Technology (ABET), and by the Florida Board of Professional Engineers.

The curriculum is designed to align with the educational standards established by ABET, ensuring that graduates are prepared to practice engineering as a professional.
geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a minimum of two Project Design Courses, which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission
The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Civil Engineering graduate education and research.

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

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

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

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

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

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

Mission
The Environmental Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:
1. Provide broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Environmental Engineering graduate education and research.

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

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

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

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

10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

The Construction Engineering Program

The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a minimum of two Project Design Courses, (Construction Engineering Design and Geotechnical Engineering Design), which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Construction Engineering Program Faculty strives to create a high quality learning experience for our students. The principal goals include:

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

Program Objectives

Within the first several years following graduation, graduates should:

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

Educational Objectives

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

Program Outcomes

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

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

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

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

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

Additional notes:

■ All students, by meeting the requirements for each degree, will be able to represent themselves as a Civil Engineer, an Environmental Engineer, a Construction Engineer or a combination thereof.
■ The double major program for a student must be approved by the Chair in the final year. This eliminates last-minute confusion by the student and allows the Chair time to review the technical elective, and the specific design courses being taken by each student.
■ The extra hours represent at least one additional semester of full time enrollment, and represents the minimum requirements for the double major.
■ The 17 hours of extra courses required for Civil Engineering majors pursuing Environmental Engineering as a second major would include all the required courses of Environmental Engineering: CHM 2046L, EES 4202C, EES 4111C, ENV 4120, ENV 4341, and a Biological or Earth Science, whichever course was not taken to satisfy the GEP.
■ The 21 hours of extra courses required for Environmental Engineering majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: SUR 2101C, CES 4100C, CEG 4011C, ITE 4004, CGN 3501C or EGN 3365, and either CES 4605 or CES 4702.
■ The 13 hours of extra courses required for Construction majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: CWR 4101C, CWR 4203C, EGN 3373, EGN 3343, and ENV 4561.
■ The 16 hours of extra courses required for Civil Engineering majors pursuing Construction Engineering as a second major would include all the required courses of Construction Engineering: CCE 4604, CCE 4402, CCE 4813, CCE 4034, and CCE 4810.
■ One diploma indicating only one major will be awarded, both
majors will be indicated on the student’s transcript. If a student desires two separate diplomas, a B.S.C.E., a B.S.Env.E., and/or a B.S.Con.E., this is permitted, per university policy, for students who have a minimum of 150 credit hours.

School of Electrical Engineering and Computer Science

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

Faculty: Bassiouni, Batarseh, Behal, Behdad, Boloni, Chatterjee, da Vitoria Lobo, DeMara, Deo, Dutton, Foroosh, Gallagher, Georgiopoulous, Gomez, Gong, A. Gonzalez, Guha, Haralambous, Heinrich, Hua, Hughes, Jones, Kasparis, Lang, LaViola, Leavens, Lee, Liou, Llewellyn, Maloche, Marinescu, Mikhail, Mukherjee, Orooj, Pattanaik, Qu, Richie, Rolland, Shah, Shen, Stanley, Sukthankar, Sundara, Tappen, Turp, Wahid, Wang, Weeks, Wei, Wocjan, Workman, A. Wu, T. Wu, Yuan, Zhang, Zhou, Zou

The Computer Science Program

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

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

Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories change rapidly and are generally funded through external research grants, supplemented by grant matching and startup funds from EECS. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the EECS home page at http://www.eecs.ucf.edu/.

Mission

The mission of the Computer Science program is to educate majors in the principles and practices of computer science, preparing them for graduate school, for careers in software development and computing technology, and for a lifetime of learning.

Educational Objectives

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

Program Outcomes

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

The Information Technology Program

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

Mission

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

Educational Objectives

1. To prepare IT graduates with the knowledge and skills necessary to be effective professional contributors or leaders in the design, administration and management of information technology systems, databases and networks commonly used by industry, government, education, research and non-profit organizations.
2. To prepare IT graduates for professional careers in roles including, but not limited to, the following: IT manager, IT systems analyst, network designer, network administrator, network security administrator, web applications developer, webmaster, database administrator, IT project lead, IT quality assurance.
3. To equip IT graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical users of information technology systems and applications.
4. To prepare IT graduates with the knowledge and skills to conduct advanced studies and research in disciplines for web-based applications, networking, information storage and retrieval, IT security, electronic commerce.

Program Outcomes

1. Demonstrate expertise in the main content knowledge of information technology.
2. Effectively use information science and technology frameworks (concepts, principles, methods, languages and theories) to design, analyze, and construct solution in a network-based environment.
College of Engineering and Computer Science

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

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

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

6. Employ terminology for information technology accurately and effectively.

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

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

Electrical and Computer Engineering Programs

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

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

The Computer Engineering Program

The Computer Engineering program contains a minimum of 24 credit hours of design experience, which includes courses listed as Embedded Systems and Computer Architecture (EEL 4767C and EEL 4768C), Computer Science I (COP 3502) and Digital Systems (EEE 3304, and EEE 3342C). Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

Mission

The mission of the UCF Computer Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering.

Educational Objectives

The educational objectives are to prepare:

1. All graduates for careers in industry or technical entrepreneurship within the computer engineering field,

2. Interested graduates for pursuit of graduate study and advanced degrees at UCF or elsewhere, and

3. All graduates for advancement within the professional community through ethical engineering practices and career-long learning processes.

Program Outcomes

Graduates of the Computer Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering,

2. An ability to design and conduct experiments, as well as to analyze and interpret data,

3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability,

4. An ability to function on multidisciplinary teams,

5. An ability to identify, formulate, and solve engineering problems,

6. An understanding of professional and ethical responsibility,

7. An ability to communicate effectively.

8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context,

9. A recognition of the need for, and an ability to engage in life-long learning.

10. A knowledge of contemporary issues,

11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice,

12. A knowledge of probability and statistics, mathematics through differential and integral calculus, basic science, computer science, and engineering science necessary to analyze and design complex electrical and electronic devices, software, and systems containing hardware and software components, and


The Electrical Engineering Program

The Electrical Engineering Program contains a minimum of 18 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEE 3307C and 4309C), Digital Signal Processing (EEL 4750), Signal Analysis and Communication (EEL 3552C), Embedded Systems (EEL 4767C), Networks and Systems (EEL 3123C) and Digital Circuits and Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/power electronics.

Mission Statement

The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering.

Educational Objectives

The educational objectives are to prepare:

1. Students for careers in industry or technical entrepreneurship within the electrical engineering field

2. Interested students pursuit of graduate study and advanced degrees at UCF or elsewhere, and

3. Students for advancement within the professional community through ethical engineering practices and career-long learning processes.

Program Outcomes

Graduates of the Electrical Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering,

2. An ability to design and conduct experiments, as well as to analyze and interpret data,

3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability

4. An ability to function on multidisciplinary teams

5. An ability to identify, formulate, and solve engineering problems

6. An understanding of professional and ethical responsibility

7. An ability to communicate effectively

8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context

9. A recognition of the need for, and an ability to engage in life-long learning

10. A knowledge of contemporary issues

11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

12. A knowledge of probability and statistics, mathematics through differential and integral calculus, basic science, computer science, and engineering science necessary to analyze and design complex electrical and electronic devices

13. Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variable

The mission statement and objectives for the Computer Engineering and Electrical Engineering programs are electronically posted and continuously updated. More information on the Computer and Electrical Engineering programs can be found on the home page at http://www.ece.ucf.edu.
School of Electrical Engineering and Computer Science Policies and Procedures

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

Department of Industrial Engineering and Management Systems

Chair: Waldemar Karwowski; ENGR 312; 407-823-2204; Fax 407-823-3413

Faculty: Calabrese, Crompton-Young, Elshennawy, Geiger, Hoekstra, Karwowski, Kolnour, Lee, Malone, McAuley-Bush, Mollaghademi, Nazzal, Pet-Armacost, Proctor, Rabelo, Reilly, Sala-Diakanda, Sepulveda, Thompson, Williams

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

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

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3354, to work methods and process flows in EIN 3314, and to facilities design and plant layout in EIN 4364. The design experience concludes with a real-world systems design in the two-semester capstone design sequence, EIN 4516 and EIN 4517.

Mission

To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging jobs in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have basic management and inter-personal skills, and ability to professionally grow and develop their careers.
3. To provide the society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:

1. To produce graduates capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To produce graduates capable of designing systems, components, and processes to meet specific needs, and of applying industrial engineering techniques to solve problems.
5. To produce graduates who communicate effectively, both orally and in writing.
6. To produce graduates who contribute to multi-disciplinary team efforts.
7. To produce graduates who are responsible to the industrial engineering profession and to our modern global society.
8. To produce graduates who value life-long learning.

Program Outcomes:

1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
2. Students will make responsible decisions and exhibit integrity in classroom and real world projects.
3. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations.
4. Students will effectively utilize industrial engineering design and problem-solving skills in classroom and real world projects.
5. Students will communicate effectively, orally and in writing, to peers and superiors in classroom and real world projects.
6. Students will be able to work with persons of varied backgrounds in classroom and real world projects.
7. Students will incorporate contemporary global, economic, and social perspectives into the practice of industrial engineering.
8. Students will be able to measure the impact of global and societal issues on industrial engineering solutions to modern practical problems.
9. Students will explore options for professional growth, including graduate study, conference attendance, and professional society participation.
10. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.


Department of Mechanical, Materials, and Aerospace Engineering

Interim Chair: David Nicholson; ENGR 307; 407-823-2416; Fax 407-823-0208

Faculty: An, Basu, Bishop, Q. Chen, R. Chen, Chew, Cho, Chow, Coffey, Fang, Fenton, Gordon, Gou, Huang, Ilegbusi, Kapat, Kassas, Kumar, Lin, Minardi, Moslieh, Orlowskaaya, Raghavan, Seal, Sohn, Suryanarayana, Vaidyanathan, C.Xu, Y. Xu

The Department of Mechanical, Materials, and Aerospace Engineering offers undergraduate degree programs in Mechanical Engineering and Aerospace Engineering. The Aerospace Engineering program is designed to provide a broadly-based foundation in aeronautics and astronautics, including topics such as aerodynamics, propulsion, aerospace structures and materials, flight dynamics, and control and performance.

The Mechanical Engineering program is designed to provide a broadly-based foundation in thermo-fluids, mechanical systems and materials, including topics such as solid mechanics, machine design, vibrations, CAD/CAM/FEM, feedback control and mechatronics, fluid mechanics, heat transfer, and structure and properties of materials.

Both programs seek to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to design systems which solve current and relevant societal problems. The design experience begins in the freshman engineering courses and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and concurrent design, and culminates in the senior capstone design courses. The use of computers and written and oral communication are part of the design experiences throughout the programs.

Mission: Aerospace Engineering

In support of the University and College missions, the Aerospace Engineering program at UCF is committed to:

1. Provide the highest quality aerospace engineering professionals and leaders.
2. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our graduates will be well prepared for their role as aerospace engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues.
3. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives

1. Career Preparation: The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.

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

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

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

Program Outcomes

1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerospace materials, structures, propulsion, flight mechanics and stability and control. Students emphasizing aeronautics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, etc.

2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.

3. A broad understanding of social, cultural, and ethical principles and responsibilities.

4. An ability to identify, define and solve complex problems that cut across disciplines.

5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.

6. An ability to communicate effectively using appropriate technology and efficiently use information resources.

7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.

8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from aerospace engineering applications.

9. The ability to adapt to sociocultural and technological change.

10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.

11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.

12. An understanding of contemporary aerospace engineering applications of technology and their uses in engineering practice.

Mission: Mechanical Engineering

In support of the University and College missions, the Mechanical Engineering program at UCF is committed to:

1. Providing the highest quality engineering professionals and leaders.
2. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues.
3. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives

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

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

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

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

Program Outcomes

1. An in-depth understanding of engineering principles and mechanical concepts in a core area of engineering. Students will concentrate on mechanical systems, energy systems or material engineering with an emphasis on design.

2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.

3. A broad understanding of social, cultural, and ethical principles and responsibilities.

4. An ability to identify, define and solve complex problems that cut across disciplines.

5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.

6. An ability to communicate effectively using appropriate technology and efficiently use information resources.

7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.

8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from mechanical engineering applications.

9. The ability to adapt to sociocultural and technological change.

10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.

11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.

12. An understanding of contemporary mechanical engineering applications of technology and their uses in engineering practice.

Department of Engineering Technology

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

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

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

Bachelor of Science in Engineering Technology (BSET)
The BSET curriculum consists of a carefully integrated program that includes professional studies, general education, and applied mathematics and sciences. Through the selection of the upper level technical concentration students can build and tailor their program based on previous knowledge to assist them to launch a career that best meets their needs and aspirations. The Design concentration provides advanced course work in preparation for employment at the baccalaureate level in the fields of manufacturing, testing and fabrication of mechanical parts, and the building and construction industries. Graduates 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 aspect includes computers, communications, controls and electrical power. The concentration in Computer Systems, while providing a firm foundation in electrical/electronics technology, also includes extensive instruction in programming, system design and analysis, and systems programming. Projects in solving real-world problems are required of all students in this concentration. The concentration in Photonics provides a background in optics, lasers, electrical systems, and the use and theory of light. It is designed to provide the necessary education for a career in the photonics industry.

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

Program Outcomes:
Graduates will be able to:
1. Demonstrate an appropriate mastery of the knowledge, techniques, skills, and modern tools of industrial operations, design, space science, or geomatics.
2. Demonstrate an ability to apply current knowledge and adapt to emerging applications of engineering and technology within industrial operations, design, space science, or geomatics.
3. Demonstrate an ability to conduct, analyze, and interpret experiments within industrial operations, design, space science, or geomatics.
4. Apply creativity in the design of projects within industrial operations, design, space science, or geomatics.
5. Demonstrate an ability to function effectively on teams.
7. Demonstrate written and oral communication competencies in Engineering Technology.
8. Recognize the need to engage in lifelong learning through formal and informal study.
9. Demonstrate understanding of professional, ethical, and social responsibilities.
10. Demonstrate a respect for diversity, and a knowledge of contemporary professional, social and global issues.
11. Display a commitment to quality, timeliness, and continuous improvement.
College of Engineering and Computer Science

Bachelor of Science in Information Systems Technology (BS)
The Engineering Technology Department also offers the Bachelor of Science degree in Information Systems Technology (BS), designed to accept Associate of Science (AS) degree graduates from community college programs in Computer Programming, Technology, Digital Communications, and Networking. The IST curriculum provides the AS graduate with additional course work in networking and computer systems. It also provides skills and knowledge related to project management in Information Technology. A characteristic of this curriculum is that it contains less mathematics and natural science than do the BSET and BSEET curricula.

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

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

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

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

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

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

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

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

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

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

Air Force ROTC Scholarship Program
Scholarships are phased between two and four years and are awarded on a competitive basis. Depending on state residency and credit hours, these scholarships may provide for full tuition and fees, and an allowance for textbooks. For additional information on Air Force ROTC call 407-823-1247 or visit our web site at http://airforce.ucf.edu or e-mail us at AFROTC@mail.ucf.edu. This information is subject to change.

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

Officer Commissioning
Students who complete the Professional Officer Course are appointed Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they will serve a minimum active duty tour which varies in length depending on their particular career area (typically four years). Such obligations are explained in detail during the one-on-one counseling sessions conducted with each candidate by detachment officers.
Army ROTC (Military Science)
Chair: LTC Sean Morgan, Trailer 501, Room 110
Faculty/Staff: LTC (R) Morales, MAJ Celeste, MAJ Smith, CPT Hall, 1LT Alexander, MSG Coella, SFC Satchell, Ms. Brown, Ms. Connor, Mr. Rivera; Ms. Betty Martin, Office Manager; 407-823-2430, Fax 407-823-5324
http://army.ucf.edu

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

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

1. Basic Military Science
   A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001, 1002, 2101, 2102). Students will also participate in a Field Training Exercise (FTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.
   B. Requisites for admission to the Basic Course:
      - Enrollment in a Baccalaureate or Master’s degree program
      - Full-time student status

2. Advanced Military Science
   A. The Advanced Military Science courses (MSL 3101, 3202, 4301, 4302) consists of four semesters of classroom instruction of two hours each week and a two hours leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students who want to pursue a commission as a Second Lieutenant must meet pre-requisite requirements to contract and must obtain permission from the department chair prior to participating in the Advanced course. They must also successfully complete a 32-day Leadership Development and Assessment Course at Fort Lewis, WA, normally between their junior and senior years.
   B. Requisites for Admission to the Advanced Course:
      - Successful completion of Basic Course, or placement credit
      - Must be at least 17 years of age at the time of entry, but not more that 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34)

Successful completion of an Army physical examination
Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
US Citizen
A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

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

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

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

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

Summer Training Courses
1. Basic Course Summer Training (Leader Training Course)
   Under the two year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Students must attend and successfully pass a Training Course (see below). Placement credit for prior service is extended to include Active duty, Reserve Forces and National Guard. Students attending the summer course receive approximately $800.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

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

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at: http://oecs.ucf.edu/alc/alc_students_coecs.htm
College of Health and Public Affairs
Dean: Michael L. Frumkin, HPA 365, 407-823-0171
http://www.cohpa.ucf.edu
Associate Dean, Graduate Studies and Technology:
Stephen Holmes, HPA 365, 407-823-0171
Associate Dean, Undergraduate Studies:
Pamela Kirby, HPA 365, 407-823-0171
Associate Dean, Student/Personnel Affairs:
Melvin Rogers, HPA 365, 407-823-0171
Associate Dean, Research:
Thomas Wan, BNT 108, 407-823-0170
Associate Dean:
Joyce Dorner, M.N., HPA 365, 407-823-0171


The College fosters excellence in undergraduate and graduate education, research and community services in health, social and justice services. In addition to a PhD program in Public Affairs the College houses both undergraduate and graduate interdisciplinary programs that contribute to a solid educational foundation in public affairs.

General Requirements for the Bachelor’s Degree
Some Schools, Departments or Programs in the College are upper division, limited access or restricted programs. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the Programs in Athletic Training, Cardiopulmonary Sciences, Health Information Management, and Radiologic Sciences.

Application must be made to the appropriate program. Additional information regarding prerequisites and minimum grade point averages may be obtained from the desired School, Program, Department, or College Web site.

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

Academic Advisement
Undergraduate Student Services
Executive Director: Judith A. Sindlinger, HPA2 115, 407-823-0010,
E-mail: hpainfo@mail.ucf.edu

The College of Health and Public Affairs Undergraduate Student Services assists undergraduate students in understanding college and university requirements and procedures as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to stay on track by taking the appropriate prerequisite requirements. Advisors are available through the Outreach Program for students on probation or for those who are having academic difficulty. Questions concerning university and college academic policies should be directed through this office. Faculty advisors are assigned to students upon admission to their degree program in their academic department.

Programs and Degrees

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<tr>
<th>Major</th>
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<tr>
<td>Cardiopulmonary Sciences</td>
<td>BA, BS, MA</td>
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<tr>
<td>Communication Sciences and Disorders</td>
<td>BA, BS, MS</td>
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<tr>
<td>Criminal Justice</td>
<td>BS</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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<tr>
<td>Health Services Administration</td>
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<td>Legal Studies</td>
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<td>Public Administration</td>
<td>BA, BS, MPA, MM</td>
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<td>Public Affairs</td>
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<td>Physical Therapy</td>
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<td>Radiologic Sciences</td>
<td>BS</td>
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<td>Social Work</td>
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Department of Communication Sciences and Disorders
Chair: R. J. Lieberman, HPA 211, 407-823-4798
http://www.cohea.ucf.edu/comds
Undergraduate Coordinator: Jamie Schwartz
Clinic Director: TBA, Research Pavilion Suite 155, 407-249-4770

The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is pre-professional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to seek careers in health and human services; and 3) to obtain licensure and employment as speech-language pathology or audiology assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to coursework in communication sciences and disorders, the department offers an array of courses in American Sign Language and related topics.

Degrees: Communication Sciences and Disorders (BA, BS, MA, PhD in Education, Communication Sciences and Disorders Track)
Tracks: None
Minors: Communication Sciences and Disorders, American Sign Language and Deaf Studies
Certificates: American Sign Language, Language Development and Disorders

Department of Criminal Justice and Legal Studies
Chair: Robert Langworthy, HPA 311, 407-823-2603

The Department of Criminal Justice and Legal Studies includes two undergraduate degree programs: Legal Studies and Criminal Justice. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society and Phi Alpha Delta the Legal Studies professional society.

Program in Criminal Justice
Criminal Justice is a problem-based field of study which focuses on the nature of crime and crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service.

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

Degrees: Criminal Justice (BA, BS, MS), Legal Studies (BA, BS)
Tracks: None
Minors: Criminal Justice, Legal Studies

Department of Health Management and Informatics
Interim Chair: Aaron Liberman, HPA 221, 407-823-2359

The mission of the Department of Health Management and Informatics is to be the leading program in training Health Services executives in Central Florida. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

Program in Health Services Administration
Director: K. Cortelyou-Ward, HPA 221, 407-823-2359

The department offers a baccalaureate degree in Health Services Administration. The baccalaureate degree is designed for students who desire to study the business side of health care. The primary goal of the program in Health Services Administration is to prepare managers to direct a variety of health care organizations such as hospitals, HMO’s, clinics and any other organization involved in the delivery or management of health care services. The undergraduate curriculum is consistent with the curricular requirements of the Association of University Programs of Health Administration, stressing administration, policy and planning skills. A diverse health care community offers students a variety of internship experiences as well as providing placement opportunities upon graduation. Faculty members are actively engaged in research relating to management, conflict resolution, occupational stress, outcome assessment, and integrated delivery mechanisms.

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

Program in Health Information Management
Director: A. Noblin, HPA 221, 407-823-2353

Health Information Managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Information Management program is approved by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The HIM Program is a limited access program and requires a separate application to the program by March 1 of the year in which admission is sought. Graduates of the Health Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).
Department of Health Professions

Interim Chair: Aaron Liberman, HPA2 210, 407-823-2359

Faculty: Angelopoulos, Bertetta, Douglass, Gosnell, Hanney, Lee, McDonough, Saltzer, Schellhase, Segal, Smith, Wagner, Worrell.

The Department of Health Professions offers baccalaureate programs which prepare students for professions in the fields of Cardiopulmonary Sciences (Respiratory Care), Health Information Management, Athletic Training, Health Services Administration, and Radiologic Sciences. The Department also offers a degree in Health Sciences - Pre-Clinical for those planning to go on to a graduate clinical professional program.

The mission of the Department is to provide quality undergraduate and graduate academic, administrative, and clinical instruction with an accent on educating future leaders of the health care system. The Department seeks first to strengthen existing programs, as well as to identify and develop new programs that fulfill a documented need for health care resources and technology. Another goal is to foster the development of knowledge through research, publications, and scientific presentations. Finally, the Department seeks to provide continuing education for the health care community and consumer health education.

The programs in Cardiopulmonary Sciences, Health Information Management, and Radiologic Sciences require a minimum overall GPA of 2.5 for consideration for admission and the Athletic Training program requires a minimum overall GPA of 2.75. In addition, for admission a minimum grade of “C” (2.0) is required for prerequisite courses and required courses within the program. These programs are all accredited by their national professional associations and graduates are prepared to take the appropriate examination for certification.

Program in Cardiopulmonary Sciences

Director: Steve Shideler, HPA2 210, 407-823-2214

The major in Cardiopulmonary Sciences (also known as Respiratory Care) leads to the Bachelor of Science Degree. In the professional curriculum, students study respiratory therapy skills, pharmacology, life support techniques, disease and patient assessment, and patient management. Upon completion of the undergraduate program, the baccalaureate prepared individual will possess basic patient care and advanced practice patient care skills and should be prepared to assume a future leadership role within the profession. Graduates will also be prepared to take the entry-level and advanced practice national examinations. These examinations will first lead to licensing by the State of Florida (CRT examination), and then to the advanced practice credential, Registered Respiratory Therapist (RRT examination).

The Cardiopulmonary Sciences program is accredited by the Committee on Accreditation for Respiratory Care in conjunction with CAHME and CAPP of the American Medical Association. The cardiopulmonary sciences program is a limited access program and requires a separate application to the program submitted by March 1st of the year in which admission to the program is sought.

Degrees: Cardiopulmonary Sciences (BS)
Tracks: None
Minors: None

Program in Health Sciences-Athletic Training Track

Director: Kristen C. Schellhase, HPA2 124, 407-823-3463

The Program in Athletic Training at the University of Central Florida is a track in the Health Sciences. The athletic training track is a six semester program where students complete 12-15 credits per semester 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 Board of Certification (BOC) Exams. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). This is a competency-based program that requires a separate application process following acceptance into the University. Consent from the program director is required.

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

Program in Health Sciences-Pre-Clinical Track

Director: David M. Segal, Ph.D., HPA2 203, 407-823-6781, E-mail: dstegal@mail.ucf.edu

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

Degrees: Health Sciences (BS)
Tracks: None
Minors: Health Sciences

Program in Radiologic Sciences

Director: S.D. Gosnell, HPA2 208, 407-823-2747

The University of Central Florida offers the only public accredited Bachelor of Science in Radiologic Sciences limited access degree program in Florida. The Radiologic Sciences Program offers entry-level students the opportunity to specialize in conventional radiography and the advanced imaging modalities. Radiographers are integral members of the health care team dedicated to providing high quality patient care. Graduates are prepared to function as clinically competent radiographers and, with experience, advance to leadership positions in the profession.

The University of Central Florida also sponsors an A.S. to B.S. transfer program designed for ARRT certified radiographers interested in combining their professional development with earning a baccalaureate degree in Radiologic Sciences. Didactic courses for the entry-level and the A.S. to B.S. transfer programs are offered in the classroom and on the internet. Additional information regarding the transfer program is provided in the “Statewide Articulated A.S. to B.S. Programs” section of the catalog.

The primary role of radiographers is to perform medical imaging procedures for the diagnosis of disease and injury. The radiographer enjoys an interesting and challenging variety of examinations/procedures which may include conventional radiography, fluoroscopy, mammography, vascular imaging, computed tomography and magnetic resonance imaging. Career opportunities are available in hospitals, imaging centers, and private physician offices. Career advancement opportunities include positions in advanced imaging modalities, administration, education, and quality management.

The Radiologic Sciences Program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates are eligible to apply for admission to the Radiography certification exam administered by the American Registry of Radiologic Technologists (ARRT).

The program works in conjunction with area hospitals and imaging centers.

Degrees: Radiologic Sciences (BS)
Tracks: None
Minors: None

Department of Public Administration

Chair: Mary Ann Feldheim, HPA2 238, 407-823-2604


The Department of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services through nonprofit organizations. The Department prepares students for professional careers in public service at the city, county, state and federal levels. Currently the public sector in the United States includes over 87,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degrees with
a major in Public Administration enable students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master of Public Administration (MPA) or Master of Nonprofit Management (MNM). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

There are numerous public and nonprofit employment opportunities with jobs available in nearly every area of specialization. For instance, public servants include engineers, accountants, fire fighters, police, physicians, nurses, botanists, chemists, nutritionists, project managers, community planners, city and county administrators, social workers, psychologists, psychiatrists, policy analysts, grant writers, contract managers, quality assurance managers and evaluators. The range of employment opportunities is extraordinary and includes a variety of management and staff positions in environmental protection, homeland security, human resources, nonprofit management, urban planning, economic development, policy and administration and emergency management, among others. The salaries are generally competitive with private industry, despite common misconceptions to the contrary. Employment in the public and nonprofit sector provides graduates with the opportunity to “make a difference” in their communities on a national, state or local level.

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

**Tracks:** None

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

**Certificates:** Nonprofit Management

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**School of Social Work**

**Director:** John Ronnau, HPA 204, 407-823-2114

**Faculty:** Abel, Bricout, Buckey, L. Davis, Gammonley, Kohn, Lawrence, Leon, Molina, Ramos, Rothenberg, Steen, Withers.

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

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

The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and sees obstacles as challenges. We help anytime, anywhere. Help Starts Here!

The School of Social Work also offers Certificate Programs in Aging Studies, Children’s Services, and Addictions with special concentrations in these areas. If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

**Degrees:** Social Work (BSW, MSW)

**Tracks:** None

**Minors:** Aging Studies

**Certificates:** Addictions, Aging Studies, Children’s Services

**Program Academic Learning Compacts (student learning outcomes)**

for undergraduate programs in the College of Health and Public Affairs are located at:

http://oeas.ucf.edu/alc/alc_students_cohpa.htm
College of Medicine

Dean: Deborah C. German, M.D., University Tower, 3rd Floor; 407-823-1841
http://www.med.ucf.edu/

The University of Central Florida (UCF) College of Medicine was established in 2006 by the Florida Legislature and the Florida Board of Governors to increase opportunities for medical education in Florida, address the nationwide growing shortage of physicians, and provide economic benefits to Central Florida and the State. In Fall 2009, the College of Medicine will welcome its first Doctor of Medicine (M.D.) students. Details on the application process for the UCF M.D. program are available on the College of Medicine web site (http://www.med.ucf.edu/).

The UCF College of Medicine is building an academic program with an integrated approach to medical education, state-of-the-art technical capabilities, and focused biomedical research. The college will be located at the UCF Health Sciences Campus at Lake Nona, a state-of-the-art complex for medical education, health sciences education, and biomedical research. The 50-acre UCF Health Sciences Campus at Lake Nona is located about 25 miles south of the Orlando campus.

The UCF M.D. program prepares students for careers in every discipline of medicine and allows each student to focus on an individualized area of study or research. The M.D. program learning experience at the University of Central Florida is a unique and exciting blend of state-of-the-art technology, clinical and laboratory experiences, research, facilitator-directed small group sessions, and interactive didactic lectures.

In addition to the new M.D. program, the College of Medicine offers a broad range of educational programs in the Burnett School of Biomedical Sciences including undergraduate degrees in Molecular Biology and Microbiology, Biotechnology, and Medical Laboratory Sciences, master’s degrees in Molecular Biology and Microbiology, and Biotechnology, and an interdisciplinary doctor of philosophy degree in Biomedical Sciences.

Burnett School of Biomedical Sciences

Director: P.E. Kolattukudy; BL 136; 407-823-1312; Fax 407-823-0956
Associate Director of Academic Affairs: Roseann White; HPA2 335J; 407-823-5932; Fax 407-823-3095

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Molecular Biology and Microbiology, and Biotechnology that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences provides training for students to work in clinical or hospital laboratories. The School also offers M.S. programs in Molecular Biology and Microbiology, and Biotechnology. Also, it offers a Ph.D. program in the Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advising Office, 407-823-2670, to assist in the preparation of applicants for admission to professional schools in health sciences. At this time, the School has over 2,000 undergraduate students and as many as 100 graduate students. Faculty and students are conducting research in cancer, cardiovascular, neurodegenerative, and infectious diseases. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, the Biomolecular Science Center, and the Pre-Health Professions Advisement Office.

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<td>Biotechnology</td>
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</tr>
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<td>Biomedical Sciences</td>
<td>Ph.D.</td>
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Department of Molecular Biology and Microbiology

Chair: P.E. Kolattukudy; BL 136; 407-823-1312
Associate Chair: Roseann White; HPA2, 335J; 407-823-5932
Undergraduate Coordinator: Dorilyn Hitchcock; HPA2 335A; 407-823-5932
Graduate Coordinator: Saleh Naser; BL 221; 407-823-0956
Faculties: R. Ahangari; R. Borgon; E. Bossy-Wetzel; K. Chai; D. Chakrabarti; R. Chakrabarti; S. Chan; J. Cheng; A. Cole; H. Daneli; S. Ebert; C. Fernandez-Valle; M. Fu; R. Gennaro; D. Hitchcock; K. Ireton; A. Khaled; P. Kolattukudy; G. Lopez; W. Lopez-Ojeda; X. Li; S. Moore; M. Muller; S. Naser; W. Safranek; M. Samsam; W. Self; D. Singla; K. Sugaya; S. Tatulian; K. Teter; J. Turkson; G. Weigel; R. White; A. Zervos.

The Department of Molecular Biology and Microbiology offers a Bachelor of Science degree, a Master of Science degree and a Minor in Molecular Biology and Microbiology. The department also offers a Bachelor of Science degree in Medical Laboratory Sciences and a Bachelor of Science degree in Biotechnology. The Molecular Biology and Microbiology programs prepare students for entry into any professional school in health sciences, such as medicine, veterinary, etc.
pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry. Students seeking admission to such professional programs should follow the Molecular Biology and Microbiology Preprofessional Concentration. The Department’s programs also prepare students entering the technical workforce in biotechnology, pharmaceutical and/or any other medical technology industry. The Department is a major partner in the interdisciplinary Ph.D. program in Biomedical Sciences.

Program in Molecular Biology and Microbiology
The Core Curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The Restricted Electives component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of non-molecular, clinical, analytical or investigative applications. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the mechanism of directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

Degrees: Molecular Biology and Microbiology (B.S., M.S.)
Molecular Biology and Microbiology Preprofessional Concentration (B.S.)

Tracks: None
Minors: Molecular Biology and Microbiology

Molecular Biology and Microbiology UCF/USF Accelerated Medical School Program (B.S.)
Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include Florida residency, unweighted minimum high school GPA of 3.7 and SAT score of 1300 or ACT score of 29. More information about the admission process can be found in the catalog under: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Students desiring admission to University of South Florida College of Medicine (USF/COM) through the accelerated program will meet all USF/COM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of first year of the medical school curriculum.

Program in Biotechnology
Director: Henry Danieli, BL 336, 407-823-5932

To meet the demand for highly trained scientists in the biotechnology workforce, the Burnett School of Biomedical Sciences now offers a Bachelor of Science degree in Biotechnology. This new degree program prepares students to function in the industrial biotechnology/biomedical environment, providing them with more “hands on” laboratory experiences and opportunities for research. These students will be provided an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

Degrees: Biotechnology (B.S., M.S., M.S./M.B.A.)
Tracks: None
Minors: None

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

Medical technologists may be involved in medical diagnosis, patient treatment, health screening, laboratory management, research, and laboratory education. They use highly sophisticated analytical equipment for the examination of blood and body fluids.

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

The last two years of sequential courses constitute the upper division professional phase of the program. The Medical Laboratory Sciences class size is selected is determined by the availability of space and equipment, as well as available spaces in the clinical facilities.

The Medical Laboratory Sciences is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st but applications will be accepted until the class is filled.

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

Degrees: Medical Laboratory Sciences (B.S.)
Tracks: None
Minors: None

Office of Student Services and Advisement (OSSA)
Academic Advisor: Cynthia Contreras; HPA2 336; 407-823-5787;
Academic Advisor: Ana Maria Schwimdt; HPA2 337; 407-823-1259
E-mail: bcbsinfo@mail.ucf.edu

The Office of Student Services and Advisement (OSSA) is the primary office for undergraduate academic advisement in the Burnett School of Biomedical Sciences. OSSA assists Molecular Biology and Microbiology, Biotechnology, 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; BL 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.” The 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 few years, the Center plans to hire approximately 20 new faculty research teams in Biomedical Sciences 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 biomedical sciences is expected to create a critical mass of people conducting interdisciplinary research at the cutting edge in biomedical sciences that can have a significant impact on the biomedical technology industry of the region and the state.

The Biomedical Sciences Ph.D. is a major vehicle for training students for biomedical research careers in industry, institutes and universities. 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 technology industry.

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

Pre-Health Professions Advisement Office
Director: Genaro Lopez; HPA 124; 407-823-2670

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

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at: http://oeas.ucf.edu/alc/alc_students_bcbs.htm
The College of Nursing is the 12th college to be established at the University. It was established as a Department of Nursing and graduated its first class in 1981. The college has achieved prominence as an innovator in nursing education, responding to a changing population with complex health care needs. The faculty of the college values access to education and embraces opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education at the baccalaureate, master's and doctoral levels.

Today's challenging health care environment provides unique opportunities for nursing. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research, and influence policy.

The mission of the College of Nursing is to offer high quality undergraduate and graduate academic programs designed to prepare nurses to practice in a continuously changing health care environment; to provide innovative access to education and research; to develop nurse clinicians, leaders and scholars who promote the health of diverse populations in local, national and global communities; and to touch lives lead by example and make a difference through clinical excellence, research and community service.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The BSN graduate is prepared to provide comprehensive care in a variety of levels.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research.

The Doctor of Nursing Practice (DNP) prepares nurse practitioners for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN and MSN programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing.
CREOL, The College of Optics and Photonics
Dean and Director: Bahaa Saleh; 407-823-6800;
E-mail: info@creol.ucf.edu
http://www.creol.ucf.edu

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

CREOL, FPCE, and TLI are the research arms of the College, which offers Masters (MS) and Doctoral (Ph.D.) Degrees in Optics. CREOL has become an internationally recognized institute with 40 faculty members, 69 Ph.D. level research scientists, and 146 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $45 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubation Program.

The research activities span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. Current research areas include: nanophotonics, biophotonics, imaging science, plasmonics, high-speed photonics networks and telecommunications, solid state laser development, nonlinear optics, laser induced damage, quantum-well optoelectronics, photonic information processing, infrared systems, optical system design, image analysis, virtual reality, medical imaging, diffractive optics, optical crystal growth and characterization, high intensity lasers, x-ray optics, EUV sources, optical glasses, liquid crystal devices, laser materials processing, quantum optics, and light-matter interaction. These programs are supported by over $17 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $20,000 to $26,000, plus full tuition waivers, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 60 members, provides industry with benefits of ready access to cutting-edge research and to the expertise and facilities of the College. Faculty members also team with small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.
College of Sciences
Dean: Peter Panousis; CSB 201A; 407-823-1997
http://www.cos.ucf.edu

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

The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics and Actuarial Science; the Nicholson School of Communication; and the National Center for Forensic Science.

The College is responsible for all programs in the sciences and the departments collectively offer 49 baccalaureate, graduate, certificate, and pre-professional programs. For additional information concerning graduate programs, please refer to the Graduate Catalog: http://graduate.ucf.edu/currentGradCatalog/

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major.

Preprofessional Programs
Prelaw Program
Prelaw Advisor: Roger Handberg; CNH 414; 407-823-2608

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that applicants take the Law School Admission Test (LSAT). General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-Law Advisor. Advisement within the major is provided by the department offering the major.

Prehealth Professions
The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional program of study for additional information.
The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic assistance for the College of Sciences. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the requirements within a major or minor should be directed to the department offering the program.

The student should contact the department early in his/her academic career. For additional information about COSAS, please visit our Web site.

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<tr>
<td>Mathematics</td>
<td>BS, MS, PhD, Minor</td>
</tr>
<tr>
<td>Mass Communication</td>
<td>Minor</td>
</tr>
<tr>
<td>Physics</td>
<td>BS, MS, PhD, Minor</td>
</tr>
<tr>
<td>Political Science</td>
<td>BA, MA, Minor</td>
</tr>
<tr>
<td>Political Science-Pre-Law</td>
<td>BA Track</td>
</tr>
<tr>
<td>Psychology</td>
<td>BS, MA, MS, PhD, Minor</td>
</tr>
<tr>
<td>Radio/Television</td>
<td>MA</td>
</tr>
<tr>
<td>Social Sciences Interdisciplinary</td>
<td>BS, Minor</td>
</tr>
<tr>
<td>Sociology</td>
<td>BA, MA, PhD, Minor</td>
</tr>
<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
</tr>
</tbody>
</table>

Departments and Programs

Department of Anthropology

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

Faculty: Barber, A; Chase, D; Chase, Cowgill, Dupras, Geiger, Howard, Lieberman, Long, Matejowsky, McIntyre, Mislial, Schultz, Sinnelli, Walker, Zorn

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

Degrees: Anthropology (BA, MA)
Tracks: Cultural Competency (MA), Archaeological Investigations in Forensics and Human Adaptations (MA), Maya Studies (MA)
Minors: Anthropology (concentrations in general, archaeology, cultural, or physical), Anthropology in Multicultural Studies, Native American Indian Studies

Department of Biology

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

Faculty: Bayer, Borst, Casteleini, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Loguidice, Morrison-Sheltar, Nadeau, Noss, , Parkinson, Quigley, Quintana-Aescnio, Roth, Sheltar, Sotero-Estevs, , Thomas, Vajravelu, Von Holle, von Kalm, Walters, Waterman, Weishampel, Worth.

Professors Emeritus: Ehrlhart, Ellis, Kuhn, Koenenig, Snelson, Sweet, Taylor

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservative Biology, and participates in an interdisciplinary Ph.D. program in Biomolecular Sciences. The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background opens career opportunities for graduates in areas 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 sub-specialty. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study contracts.

Degrees: Biology (BS, MS, PhD)
Tracks: Biology Pre-professional (BS)
Minors: Biology

Department of Chemistry

Chair: Kevin D. Belfield; CH 117; 407-823-2246
E-mail: chemstal@mail.ucf.edu
http://www.cos.ucf.edu/chemistry

Associate Chair and Undergraduate Coordinator: Cherie L. Geiger; CH 325; 407-823-2135


The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, a Bachelor of Science in Forensic Science, a minor in Chemistry, a Master of Science in Industrial Chemistry, Master of Science in Forensic Science, and a Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomolecular Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS)
Tracks: Chemistry, Forensic Analysis, Forensic Biochemistry
Minors: Chemistry

Nicholson School of Communication

Director: Robert Chandler; COM 238; 407-823-2681; E-mail: communication@ucf.edu
http://www.cos.ucf.edu/communication

Faculty: Akita, Bagley, Barfield, Bledsoe, Brown, Brownon, J; Butler, Collins, K. Davis, DeLorme, Dusseau, Graham, Hall, Hanlon, Hastings, Hodgson, Ihde, Katt, Kenney, Kinnally, Lindsay, Major, Malala, Matusitz, McCain, Miller, Musambira, Neel, O'Donnell, Pryor, Rice, Santana, Sheehy, Smith, Sublette, Voss, Wieg, M Wagner, Workman, Young

Faculty Emeriti: Fedder, O'Keefe, Taylor, Wycoff
The Nicholson School of Communication provides students with a balance of practical skills and philosophical aspects of communication. The programs prepare students to understand mass media as social institutions and train them for professional careers. The School is composed of four Areas each of which offer a Bachelor of Arts degrees. The degrees are:

1. Advertising/Public Relations. Provides theory and practice in both advertising and public relations.
2. Interpersonal & Organizational Communication. Provides knowledge, theory, and skills needed to understand and predict human communicative behavior, necessary for employment in business, sales, and NPOs, or as background for advanced study in graduate school.
3. Journalism. Provides theory and skills needed to gain employment in newspapers, magazines, and similar forms of mass communication.

Facilities

The Radio-Television Area has fully-equipped audio and video production facilities, a complete multi-camera television studio, an online radio station, and laboratories for interactive multimedia. The Journalism Area has computer labs and a darkroom. The Advertising/Public Relations Area has a computer working lab. The Interpersonal/Organizational Communication Area has a presentation speaking classroom equipped for audio/video record/playback and computerized visual presentation. The Area also has a small group laboratory equipped with audio/video record/playback.

Degrees: Advertising/Public Relations (BA), Communication (MA), Interpersonal & Organizational Communication (BA), Journalism (BA), Radio Television (BA)
Specializations: Broadcast Journalism, Production, Broadcast Generalist, News Writing, Visual Communications, Editing
Minors: Interpersonal/Organizational Communication, Magazine Journalism, Mass Communication

Department of Mathematics
Chair: Piotr Mikusinski; MAP 209; 407-823-2826
E-mail: math@mail.ucf.edu
http://math.ucf.edu
Associate Chair/Undergraduate Coordinator: Heath Martin; MAP 215A; 407-823-5700

Faculty: Brennan, Cannon, Capursi, Choudhury, Clarke, Dunlop-Pyle, Dutkay, Dutton, Griffiths, Han, Higgins, Isias, Ismail, Kassab, Katsevich, Kau, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Nashed, Neval, Nicholson, Pensky, Phillips, Qi, Reid, Ren, Richardson, Rollins, Schober, Shivamoggi, Song, Sun, Swanson, Tamasan, Tovbis, Vajravelu, Yong, Young, Zhao

The Department of Mathematics offers courses and programs which lead to a Bachelor of Science in Mathematics, a minor in Mathematics, a Master of Science in Mathematical Science and a Ph.D. in Mathematics. (See the Graduate Studies catalog for a description of the M.S. in Mathematical Science and the Ph.D. in Mathematics.) The programs in mathematics are designed to serve:

1. Students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. Students who desire to continue their education in graduate and professional schools; and
3. Students who need to use advanced mathematics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Mathematics have developed along several lines. There are the usual service courses in pre-calculus and calculus along with strong programs in the upper division in the traditional areas of algebra and analysis and applied mathematics. The department does not award credit by examination for courses which are regularly taught. Students who feel they know the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirement. A limited number of student assistantships are available for qualified graduate students.

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

Department of Physics
Chair: Talat Rahman; MAP 310; 407-823-2325;
E-mail: physics@ucf.edu
http://www.physics.ucf.edu
Associate Chair: Lee Chow; MAP 315; 407-823-2333

Faculty: Bhattacharya, Bindell, Bose, Brit, Brueckner, Campins, Chernyak, Chow, Colwell, Del Barco, Dubey, Eftimiou, Fernandez, Fishlisky, Harrington, Heinreich, Johnson, Kara, Khondaker, Kokouline, Leuenberger, Luo, Martin, Montgomery, Mucciolo, Neighbor, Peale, Rahman, Roldan-Cuena, Saha, Schelling, Schulte, Stolbov, Tonner, Velissaris
Faculty Emeritus: Brennan, Llewellyn
Visiting Faculty: Cooney, Ngwa, Zhmudsky

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

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

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

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

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


The Department of Political Science seeks to:

1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where a knowledge of government and politics is necessary;
2. Provide students with a broad background in pre-law to facilitate their admission to law school;
3. Prepare students for teaching, research, and graduate study in Political Science;
4. Provide a broad background for careers in politics; and
5. Educate citizens and promote their active interest in public affairs.

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy, International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language. The Department of Political Science participates in the following programs:
The Undergraduate Psychology Program has two primary missions: to prepare students for graduate training in psychology or related fields, and to provide the skills needed for students to apply the concepts and methods of psychology in their work, their communities, and their lives.

**Degrees:** Psychology (BS, MA, MS, PhD)

**Tracks:** None

**Minors:** Psychology, Behavioral Forensics Certificate

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The Department of Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses.

Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today’s employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family.

The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

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For more information about our nationally acclaimed yet personable faculty and our relevant, flexible major, go to http://sociology.ucf.edu.

**Degrees:** Sociology (BA, MA), Social Sciences Interdisciplinary (BS)

**Tracks:** Domestic Violence (MA)

**Minors:** Sociology, Social Sciences Interdisciplinary

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**Department of Statistics and Actuarial Science**

Chair: D. Nickerson; CCII 206; 407-823-5528
http://www.cos.ucf.edu/statistics

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

The Department of Statistics and Actuarial Science offers courses and programs leading to a Bachelor of Science in Statistics, a Bachelor of Science in Actuarial Science, a minor in Statistics, and a Master of Science in Statistical Computing with tracks in Data Mining and Actuarial Science. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate programs in statistics and actuarial science are designed to serve 1) students who desire to pursue careers in statistics or actuarial science after having completed a baccalaureate degree; 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics or actuarial science as tools in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics and Actuarial Science have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, statistical computing, and actuarial science. A limited number of assistantships are available for qualified graduate and undergraduate students.

**Degrees:** Statistics (BS, MS tracks), Actuarial Science (BS)

**Tracks:** None

**Minors:** Statistics

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://www.oeas.ucf.edu/alc/alc_students_cosci.htm
Rosen College of Hospitality Management

Dean: Abraham Pizam; 9907 Universal Boulevard, Suite 231-H
Orlando, FL 32819; 407-903-8010
http://www.hospitality.ucf.edu

Interim Associate Dean: Tadayuki Hara;
9907 Universal Boulevard, Suite 231-A; 407-903-8174

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

Faculty:

The hospitality industry represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities. It is the destination for over 49 million tourists each year, has over 400 hotels with 120,000 rooms, 5,000 restaurants, and 75 theme parks and attractions. The industry employs a half million people in the State of Florida and many are in the Central Florida area.

The educational mission of the College is to provide students with the knowledge, skills, and ability to identify opportunities and challenges in the hospitality industry, and to apply creative decision techniques in responding to those opportunities.

The curriculum is designed to prepare students for a broad range of managerial roles across the hospitality industry. It provides both academic preparation and practical experiences that students will need to enter and succeed in a hospitality management career. Students also have the opportunity to experience the work world in hospitality through an internship requirement and through extensive contact with leading hospitality managers in the Central Florida area. There are three undergraduate degrees offered.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

The Center for Multi-Unit Restaurant Management and the Darden Eminent Scholar Chair in Restaurant Management provide a unique focus in the curriculum on corporate restaurant management. Students have access through the Center to leading restaurant industry executives. This academic unit is an integral part of the Rosen College of Hospitality Management.

Distinctive Benefits
- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with on-campus housing.
- Access to the many hospitality organizations that serve one of the premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area hospitality industry.
- A large number of scholarships made available through the generous support of the industry.
- Outstanding faculty from 19 different countries.
- A faculty committed to continuously improving their knowledge of the hospitality industry as well as their ability to teach that knowledge to their students.
- A required work experience that provides students with practical experiences in the hospitality industry.
- Outstanding opportunities for internships.
- A modern food production laboratory and teaching restaurant completely equipped to provide students with experience in food preparation.
- American Resort Development Association (ARDA) Professorship of Vacation Ownership.
- Central Florida Hotel and Lodging Association (CFHLA) Professorship of Convention and Conference Management.

Degrees:
- Event Management (BS), Hospitality Management (BS)
- Restaurant and Food Service Management (BS)

Tracks:
- Vacation Ownership Resort Management; Theme Park and Attraction Management; Tourism Management; Lodging Management; Hospitality Financial Management and Technology; Golf and Club Management

Minor:
- Hospitality Management

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: http://oeas.ucf.edu/alc/alc_students_rhm.htm
OFFICE OF UNDERGRADUATE STUDIES

Office of Undergraduate Studies
Dean: Alison Morrison-Shetlar; MH 218; 407-823-2373
Associate Dean: Elliot Vittes; MH 210; 407-823-2691
http://www.undergrad.ucf.edu/

The Office of Undergraduate Studies supports all colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. The units within Undergraduate Studies are the offices of Academic Services, Experiential Learning, Faculty Center for Teaching and Learning, Interdisciplinary Studies, McNair Scholars Program, Research and Mentoring Program (RAMP) and Undergraduate Research. The Dean serves as the final appeal for all undergraduate academic appeals.

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

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

Bachelor of Applied Science
Dean: Alison Morrison-Shetlar; MH 218; 407-823-2373
http://www.regionalcampuses.ucf.edu/bas/

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

Experiential Learning
Director: Sheri Dressler, PC - 203; 407-823-2667
http://www.coop.ucf.edu/

This office provides co-op, internship and service-learning courses for students in all colleges through collaboration with college faculty and employers locally, nationally and internationally. Department faculty teach co-op and internship courses, facilitate the development and approval of quality experiential learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, and compile student learning outcome data from applied learning courses campus-wide. Our primary goal is to ensure that students have access to, and include experiential learning courses in, their academic programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.

Faculty Center for Teaching and Learning
Interim Director: Tace Crouse, CL1-207; 407-823-3544
http://www.fctl.ucf.edu/

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

McNair Scholars Program
Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1818
http://mcnair.ucf.edu/

The McNair Scholars Program is a U.S. Department of Education TRIO program which provides an enriching educational experience for students from underrepresented groups and first-generation/low-income students to excel as undergraduates prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies
Director: Michael Hampton; Classroom Bldg I, Suite 302; 407-823-0144; E-mail: is@mail.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Broerman, Logan, Wallace

The Interdisciplinary Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study with professional advising and courses from across the university. The degree includes three different tracks from which to choose. There are also three minors and two certificate programs.

Degrees: Interdisciplinary Studies (BA, BS, MA, MS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women’s Studies
Minors: Environmental Studies, World Comparative Studies, Leadership Studies
Certificates: Leadership Studies, Cultural Tourism

Research and Mentoring Program
Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1818
http://ramp.ucf.edu/

The Research and Mentoring Program (RAMP) prepares students for entry into graduate school. Through involvement in research projects and working with faculty mentors, the program provides a supportive educational environment for students. In addition, the students participate in a variety of workshops designed to increase their awareness and knowledge of the graduate application process. Students from underrepresented groups and first-generation/low-income students are strongly encouraged to apply.

Undergraduate Research
Director: Kimberly Schneider, CC II 209; 407-823-3125
http://www.our.ucf.edu/

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://www oeas.ucf.edu/alc_alc_students_us.htm
UCF Degree Programs

Accounting
Actuarial Science
Advertising/Public Relations
Aerospace Engineering
Aerospace Engineering - Accelerated Undergraduate-Graduate Program
Anthropology
Applied Science - A.S. to B.S. Track
Art
Art - History Track
Art - Studio Track
Art Education
Biology
Biology - Preprofessional Concentration
Biotechnology
Business Administration
Cardiopulmonary Sciences
Chemistry
Civil Engineering
Communication Sciences and Disorders
Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program
Computer Engineering
Computer Engineering - Accelerated Undergraduate-Graduate Program
Computer Science
Computer Science - Accelerated Undergraduate-Graduate Program
Construction Engineering
Criminal Justice
Criminal Justice - A.S. to B.S. Track
Digital Media
Early Childhood Education
Economics
Economics, Business
Economics - Accelerated Undergraduate-Graduate Program
Electrical Engineering
Electrical Engineering - Accelerated Undergraduate-Graduate Program
Electrical Engineering Technology - A.S. to B.S.E.E.T. Concentration
Electrical Engineering Technology - Electrical Systems Concentration
Elementary Education
Engineering Technology - Design Concentration
Engineering Technology - Operations Concentration
English - Creative Writing
English Language Arts Education
English - Literature
English - Technical Communication
Environmental Engineering
Event Management
Exceptional Student Education
Film - B.F.A.
Film - Cinema Studies Track
Film - World Cinema Track
Finance
Foreign Language Education - French
Foreign Language Education - Spanish
Forensic Science - Analysis Track
Forensic Science - Biochemistry Track
French
General Business
General Business - A.S. to B.S. Track
Health Information Management
Health Sciences - Athletic Training Track
Health Sciences - Pre-Clinical Track
Health Services Administration
History
History - Accelerated Undergraduate-Graduate Program
Hospitality Management
Hospitality Management - A.S. to B.S. Track
Humanities
Humanities - Philosophy, Religion, & Popular Culture Track
Industrial Engineering
Industrial Engineering - Accelerated Undergraduate-Graduate Program
Information Systems Technology
Information Systems Technology - A.S. to B.S. Track
Information Technology
Interdisciplinary Studies
Interdisciplinary Studies - Environmental Studies Track
Interdisciplinary Studies - Women's Studies Track
International and Global Studies
Interpersonal/Organizational Communication
Journalism
Legal Studies
Liberal Studies (See Interdisciplinary Studies)
Management
Management Information Systems
Marketing
Mathematics - Applied Track
Mathematics - Computational Track
Mathematics - Engineering/Physics Track
Mathematics - Mathematical Economics Track
Mathematics - Pure Track
Mathematics Education
Mechanical Engineering
Mechanical Engineering - Accelerated Undergraduate-Graduate Program
Medical Laboratory Sciences
Modern Language Combination
Molecular Biology and Microbiology
Molecular Biology and Microbiology - Preprofessional Concentration
Molecular Biology and Microbiology - UCF/USF Accelerated Medical School Program
Music
Music Education
Music - Jazz Studies Track
Music - Music Composition Track
Music - Music Performance Track
Nursing
Nursing - Accelerated Second Degree B.S.N. Option
Nursing - A.S. to B.S.N. Track
Nursing - R.N. to B.S.N. Program
Nursing - R.N. to M.S.N. Option
Nursing - SCC/UCF A.S.N. to B.S.N. enrollment option
Philosophy
Photography
Physics
Political Science
Political Science - Prelaw Track
Psychology
Public Administration
Radio - Television
Radiologic Sciences
Radiologic Sciences - A.S. to B.S. Track
Real Estate
Religious Studies
Restaurant and Foodservice Management
Science Education - Biology
Science Education - Chemistry
Science Education - Physics
Social Science Education
Social Sciences
Social Work
Sociology
Spanish
Sports and Fitness
Statistics
Technical Education and Industry Training
Theatre
Theatre - Musical Theatre Track
Theatre Studies
ACCOUNTING (B.S.B.A.)
College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu

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

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

Degree Requirements
1. UCF General Education Program (min 36 hrs)
   A. Communication Foundations 9 hrs
      Preferred: SPC 1508
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations
      Select MAC 1140 Pre-Calculus 3 hrs
      Select CGS 2100C Computer Fundamentals for Business 3 hrs
   D. Social Foundations
      Select ECO 2013 Macroeconomics 3 hrs
      or ECO 2023 Microeconomics
      Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
   E. Science Foundation 6 hrs

2. Common Program Prerequisites
   Must be completed with a "C" (2.0) or better
   ACG 2021 Principles of Financial Accounting
   ACG 2071 Principles of Managerial Accounting
   ECO 2013 Macroeconomics
   ECO 2023 Microeconomics
   *ECO 3401 Quantitative Business Tools I
   CGS 2100C Computer Fundamentals for Business
   *At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

3. Core Classes (36 hrs)
   First or subsequent semester in the College of Business Administration:
   GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
   GEB 3375 Introduction to International Business 4 hrs
   ECO 3411 Quantitative Business Tools II 4 hrs
   FIN 3403C Business Finance 4 hrs
   MAN 3026 Management of Organizations 4 hrs
   ISM 3011C Essentials of Management Information Systems 4 hrs
   MAR 3023 Marketing 4 hrs
   BUL 3130 Legal and Ethical Environment of Business 4 hrs
   Last Semester:
   MAN 4720 Strategic Management 4 hrs

4. Special College and/or Departmental Requirements
   - Must complete all Gordon Rule requirements, prior to admission to this degree.
   - Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Students must have a "C" (2.0) or better in each common program prerequisites class.
   - A minimum grade of "C" (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.
   - Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in a subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-admittance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.
   - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - All students must have credit for a course in each of the following areas:
     - English communication arts including written composition
     - Oral expression
     - Behavioral science such as psychology, anthropology, and sociology
     - Humanities
     - Political environment of business and society such as political science, public administration, and ethics
   - Students must have at least a 2.0 GPA in the College of Business and in the accounting major.
   - A grade of “C-” (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

5. Required courses for major (24 hrs)
   ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
   ACG 3141 Intermediate Financial Accounting 3 hrs
   ACG 3331 Intermediate Managerial Accounting 3 hrs
   ACG 3501 Accounting and Auditing in the Public Sector 3 hrs
   ACG 4401C Accounting Information Systems 3 hrs
   ACG 4851 Auditing 3 hrs
   ACG 4803 Contemporary Issues in Accounting 3 hrs
   TAX 4001 Taxation of Business Entities and Transactions 3 hrs

6. Honors in the Major (6 hrs)
   Eligibility: Requirements for admission to Honors in the Major are: completion of at least 60 semester hours of college credits including at least 12 graded upper division hours at UCF; at least a 3.5 GPA within the major; and at least a 3.2 cumulative GPA including all upper-division courses regardless of institution.
   Admission: Application for admission to the Honors in the Major program must be approved by both the Honors in the Major Coordinator for the School of Accounting and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.
   Requirements: Students accepted into the Honors in the Major Program must complete either:
   *ACG 4903H Directed Readings in Accounting or
   *ACG 4904H Honors Seminar in Accounting 3 hrs
   +ACG 4970H Honors Thesis in Accounting 3 hrs
   *With approval of the School of Accounting Honors in the Major Coordinator, the Directed Readings or Honors Seminar course will satisfy one of the Area Specialization course requirements toward satisfaction of the course requirements for the Accounting Major.

7. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation:

8. University Minimum Exit 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 Military credit permitted
   F. Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
CPA Examination Requirements
Effective August 31, 1983, Florida Law states that to qualify to sit for the CPA exam, one must possess thirty (30) additional semester hours of credit beyond the minimum requirements for the baccalaureate degree. In addition to this overall educational requirement, the following specific criteria also apply:

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

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

Community/Junior College Transfer Notes
- Common Program Prerequisites for the State University System for College of Business Administration programs include:
  - Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
  - Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
  - MAC X010 and X011 will substitute for ACG 2021 at UCF.
  - Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
  - Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
  - Courses taken at community colleges do not substitute for upper division courses.
  - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
  - Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

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

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

**SUGGESTED FOUR YEAR PLAN OF STUDY - ACCOUNTING**

**Freshman**

<table>
<thead>
<tr>
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<th>15 hrs</th>
<th>2nd Term</th>
<th>15 hrs</th>
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<tr>
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<td>ENC 1102*</td>
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<td>Cult-Hist I*</td>
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<td>MAC 1105*</td>
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<td>CSS 2100C*</td>
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<tr>
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**Sophomore**

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<td>ECO 2023*</td>
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<td>ECO 2013*</td>
<td>3</td>
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<tr>
<td>ACG 2021*</td>
<td>3</td>
<td>ACG 2071*</td>
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<td>SPC 1608</td>
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<td>POS 2041</td>
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<td>MAR 3023</td>
<td>4</td>
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<tr>
<td><strong>Elective</strong></td>
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<td>ECO 3401*</td>
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**Junior**

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<td>ECO 3411</td>
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<td>**ACG 3061</td>
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<td>MAN 3025</td>
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<td>**BSU 3130</td>
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<tr>
<td>**ACG 3131</td>
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**Senior**

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<td>MAN 4720</td>
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<td>**ACG 4401C</td>
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<td>GEB 3375</td>
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<td>FIN 3403C</td>
<td>3</td>
<td>**ACG 4651</td>
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<td>**ACG 3501</td>
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<td>**ACG 4803</td>
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<tr>
<td>**Elective</td>
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<td>**Elective</td>
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**“C” (2.0) or better grade required in each class.**

**Accounting majors must have a “C” (2.0) or better in each class to include law and tax and a 2.0 GPA in major.**

**General electives as required to reach 120 semester hours.**

**ACTUARIAL SCIENCE (B.S.)**

**College of Sciences**

**Department of Statistics and Actuarial Science**

**CC II 212, 407-823-5562**


E-mail: statistics@mail.ucf.edu

Contact: Stephen Kellison, 407-823-5530

**Admission Requirements**

- None

**Degree Requirements**

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

**1. UCF General Education Program** (36+3 hrs)

**Note:** Certain courses must be selected in the GEP for the major which brings the GEP above 36.

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations 7 hrs
- Select MAC 2311
  - Select STA 2023
- D. Social Foundations 6 hrs
  - Select ECO 2013
  - Select an ANT, PSY or SYG listed course
- E. Science Foundations 8 hrs
  - Select PHY 2053C or CHM 2045C*
  - Select ESE 2010C
  - *CHM 2040C plus CHM 2041C can substitute for CHM 2045C.

**2. Common Program Prerequisites** (14 hrs)

- Select COP 3502C* Computer Science I 3 hrs
- ECO 2013 Princ of Microeconomics GEP
- ECO 2023 Princ of Microeconomics 3 hrs
- MAC 2311 Calculus with Analy Geo I GEP
- MAC 2312 Calculus with Analy Geo II 4 hrs
- MAC 2313 Calculus with Analy Geo III 4 hrs
- *See Transfer Notes for possible substitutes

**See "Core Prerequisites" in the Transfer and Transitions Services section for more information.**

**3. Core requirements** (53 hrs)

- ACG 2022 Princ Financial Accounting 3 hrs
- ACG 2071 Princ Managerial Accounting 3 hrs
- FIN 3403C Business Finance 3 hrs
- STA 2023 Statistical Methods I GEP
UCF Degree Programs

STA 4321 Statistical Theory I 3 hrs
STA 4322 Statistical Theory II 3 hrs
STA 4672 Actuarial Statistical Methods 3 hrs
STA 4842 Practicum in Act Science 3 hrs
STA 4813 Theory of Interest 3 hrs
STA 4310 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
CHM 2045C or PHY 2053C GEP

1. Select one course
MAS 3105 Linear Matrix Algebra

2. Select a third science course and associated, with lab 4 hrs
BSC 2011C Biology II (PR: BSC 2010C)

3. Select one course 4 hrs
CHM 2040C
PHY 2054C
MAS 3106 Linear Algebra

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
   - The following cannot be used: MAC 2233, MAC 2253, MAC 2254, all MAE courses; and MIF 4404

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

6. Foreign Language Requirements (0-8 hrs)
   - Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation: none

7. Electives (variable)
   - Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Mathematics, Mathematics Education, Statistics
Related Minors: Statistics, Mathematics

Transfer Notes:
   - Lower division courses taken at community colleges do not substitute for Upper Division courses
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
   - COP 3502C*: any COP programming language course.
   - However, COP 3502C is a prerequisite for Computer Sciences courses and may need to be taken.

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

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

Summer
   - Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year
   - Fall
     - STA 4321 Statistical Theory I 3
     - ECO 2013 Prin of Macroecon 3
     - ENC 1101 Composition I 3
     - STA 2023 Stat Methods I 3
   - Spring
     - STA 4321 Statistical Theory II 3
     - STA 2023 Stat Methods II 3
     - STA 4672 Actuarial Statistical Methods 3
     - STA 4310 Life Contingencies I 3

Sophomore Year
   - Fall
     - STA 4023 Stat Theory I 3
     - STA 4022 Stat Theory II 3
     - STA 4033 Stat Theory III 3
     - STA 4130 Life Cont I 3

Senior Year
   - Fall
     - STA 4321 Statistical Theory I 3
     - STA 4322 Stat Theory II 3

Graduation
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

ADVERTISING/PUBLIC RELATIONS (B.A.)

College of Sciences
Nicholson School of Communication
COM 250, 407-823-2852
http://communication.cos.ucf.edu/undergraduate/degrees/advertising.php

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 Fall term
   - July 1 to be admitted the next Fall term
   - Admission is based on multiple factors, with GPA being a major component.
   - Satisfactorily complete a minimum of 45 credit hours of college work.
   - Students who change degree programs (other than from Ad/Pr Pending) and select this major must adopt the most current catalog.
   - Co-op credit can be used in the major with advisor’s approval.
   - Students should consult with a departmental advisor.

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

Low Res: 118
1. UCF General Education Program (36 hrs)
   A. Communication Foundations
   - Select ENC 1101 & ENC 1102
   - Select SPC 1608
   B. Cultural and Historical Foundations
   - Select STA 2014C
   C. Mathematical Foundations
   - Prefer MGF 1106 or MGF 1107 (may substitute a higher level math)
   - Select STA 2014C
   D. Social Foundations
   - Select ECO 2013 or ECO 2023
   - Select ANT 2000, PSY 2012, or SYG 2000
   E. Science Foundations
   - SPC 1608 Fund Oral Communication

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

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

3. Core requirements (27 hrs)
   a. Complete before applying to the program
      - SPC 1608 Fund Oral Communication
      - ECO 2013 Principles of Macroeconomics or
      - ECO 2023 Principles of Microeconomics
      - ADV 3008 Principles of Advertising
      - PUR 4000 Public Relations
      - STA 2014C Principles of Statistics
   b. Taken once admitted into the program
      - ADV 4101 Advertising Copywriting
      - COM 3110 Business and Prof Communication
      - COM 3511 Communication Research Methods
      - MCM 4411 Ad/PR Campaigns
      - MCM 3200 Mass Communication Law
      - PUR 3100 Writing for Public Relations
      - Select one
      - SPC 1608 Fund Oral Communication

4. School Exit Requirements
   - To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
   - Achieve an overall "C" GPA (2.0) in required UCF Ad/PR courses. This GPA does not include electives.
   - Computer Competency met by CGS 1060C, STA 2014C or departmental assessment.
   - Before applying to graduate, the CLAST must be completely satisfied.

5. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

6. External Restricted Electives (variable)
   - Select primarily from upper level courses, with school advisor's approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

7. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Marketing, Business, Psychology
Transfer Notes:
   - Lower division courses taken at community colleges do not substitute for Upper Division courses
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

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

Equipment Fee
   - Full-time Student: $44 per term
   - Part-time Student: $22 per term

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

Freshman Year
   Fall: ENC 1101 Composition I 3
        ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3
        ADV 3008 Principles of Advertising 3
        PUR 4000 Public Relations 3
        STA 2014C Principles of Statistics 3
   Spring: ENC 1102 Composition II 3
           ECO 1106 or MGF 1107 3
           Elective* Check restrictions 3

Sophomore Year
   Fall: GEP 3
        ECO 2013 or ECO 2023 3
        SPC 1608 Fund Oral Communication 3
        PUR 4000 Public Relations 3
        Adventure, Off-Campus Study 3
        (Application See catalog 0)
   Spring: GEP 3
           GEP 3
           ECO 2013 or ECO 2023 3

Junior Year
   Fall: Restricted Elect 3
        Restricted Elect 3
        Restricted Elect 3
        Restricted Elect 3
        Restricted Elect 3
   Spring: Restricted Elect 3
           Restricted Elect 3
           Restricted Elect 3

Senior Year
   Fall: Restricted Elect 3
        Restricted Elect 3
        Restricted Elect 3
        Restricted Elect 3
        Restricted Elect 3
   Spring: Restricted Elect 3
AEROSPACE ENGINEERING (B.S.A.E.)

College of Engineering and Computer Science
Mechanical, Materials & Aerospace Engineering Department
ENGR 307, 407-823-2416; Fax 407-823-0208
http://www.mmae.ucf.edu

Admission Requirements:

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

2. Select STA 3032 (PR: MAC 2312).

3. Select two courses from Historical Foundations
   - History of Florida
   - United States since 1865
   - Women in American History

4. Select two courses from Humanities
   - English 1101
   - English 1102

5. Communication Foundations
   - Offered through the College of Communication and Information

6. Social Foundations
   - Offered through the Department of Political Science

7. Foreign Language Requirements (0-8 hrs)

8. UCF Minimum Graduation Requirements

5. Approved Technical Electives (9 hrs)

6. Departmental Graduation Requirements (6 hrs)

7. Foreign Language Requirements (0-8 hrs)

Graduation: none

8. University Minimum Graduation Requirements

Related Programs: Mechanical Engineering

Related Minors: Intelligent Robotic Systems, Engineering Leadership

Transfer Notes:

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Admission Requirements: none

Degree Requirements

1. UCF General Education Program (36 hrs)
   - Communication Foundations
   - Cultural and Historical Foundations
   - Mathematical Foundations
   - Science Foundations
   - Social Foundations

2. Core Requirements: Lower Level (6 hrs)
   - ANT 2000: General Anthropology
   - ANT 2511*: The Human Species

3. Core Requirements: Upper Level (12 hrs)
   - ANT 3145: Archaeology of Complex Societies
   - ANT 3640: Language and Culture
   - ANT 4034: History of Anthropological Thought
   - ANT 4586: Human Origins

5. Area Study (3 hrs)
   - ANT 3158: Florida Archaeology
   - ANT 3160: Pre-Contact Americas
   - ANT 3161: Archaeology of Mexico
   - ANT 3163: Mesoamerican Archaeology
   - ANT 3164: Ancient Incas
   - ANT 3165: Archaeology of South America
   - ANT 3168: Maya Archaeology (or ANG 6168)
   - ANT 3311: Indians of the SE US
   - ANT 3312: Ethnology of North American Indians
6. Restricted Electives (18 hrs)
Six other Anthropology courses must be taken to complete the major. These may include other area study courses (see 5. above) or any other Anthropology courses that may be offered (see below).

- ANT 3106: Archaeology and Popular Culture
- ANT 3115: Archaeological Method and Theory
- ANT 3142: Old World Prehistory
- ANT 3173: Archaeology of Sex
- ANT 3177: Archaeology of Caribbean Piracy
- ANT 3212: Peoples of the World
- ANT 3241: Magic, Ritual, and Belief
- ANT 3245: Native American Religions
- ANT 3262: Rural Society
- ANT 3273: Law and Culture
- ANT 3302: Sex, Gender, and Culture
- ANT 3316: Black/Semilo/Relationships
- ANT 3330: Cultural Ecology of Amazonia
- ANT 3333: American Indian Literature and Culture in Florida
- ANT 3450: Living in the USA: Anthropological Perspectives
- ANT 3541: Biobehavioral Anthropology
- ANT 3550: Primatology
- ANT 3701: Applied Anthropology
- ANT 3949: Cooperative Education in Anthropology
- ANT 4013: Anthropological Perspectives on Fast Food
- ANT 4011: Archaeological Sciences (or ANG 5100)
- ANT 4180C: Seminar in Laboratory Analysis
- ANT 4184: Mortuary Archaeology (or ANG 5741)
- ANT 4266: Economic Anthropology
- ANT 4308: Gender Issues in Latin America
- ANT 4438: Anthropology of Tourism (or ANG 5437)
- ANT 4462: Medical Anthropology
- ANT 4467: Nutritional Anthropology (or ANG 5467)
- ANT 4408: Culture, Disease, and Healing
- ANT 4516: Human Biomedical Diversity
- ANT 4521C: Forensic Anthropology
- ANT 4525: Human Paleopathology
- ANT 4528C: Advanced Forensic Anthropology
- ANT 4560: Anthropological Perspectives on Human Growth
- ANT 4702: Culture, Power, and Development (or ANG 5272)
- ANT 4802: Ethnographic Field Methods
- ANT 4824: Advanced Archaeological Field Work
- ANG 5165: Maya Field Research
- ANG 5166: Problems of Maya Studies
- ANG 5167: Maya Hieroglyphs
- ANG 5228: Maya Iconography
- ANG 5622: Language, Culture, and Pedagogy
- ANG 5742: Problems in Forensic Anthropology

7. Departmental Exit Requirements
- A grade of "C" (2.0) or better in all courses used for the major
- Computer Competency met by ANT 2100
- Students will be required to take a standard exit exam.
- Before applying to graduate, the CLAST must be completely satisfied.

8. Foreign Language Requirements (0-8 hrs)
Admission: Met by graduation requirement.
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or three semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

9. Electives (variable)
Select primarily from upper level courses, with departmental advisor's approval. These courses may be outside of the department.

10. University Minimum Exit Requirements
- A "C" (2.0) GPA in all work attempted (both UCF and overall)
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Graduate Certificate in Maya Studies
Related Minors: African-American Studies, American Studies, Anthropology, Anthropology in Multicultural Studies, Asian Studies, Judaic Studies, Latin American, Caribbean, and Latino Studies, Russian Area Studies, Sociology, and Women’s Studies

Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- ANT 2000: any ANT course. However, this course is a prerequisite and must be taken regardless.
- ANT 2511: any ANT course. However, ANT 2511 will need to be taken for the major.

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

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

Freshman Year
- Fall: ANT 2000 General Anthro 3, ANT 2511 The Human Species 3
- Spring: ENC 1101 Composition I 3, EIH 2000* req# 1E1-GEP 3

Sophomore Year
- Fall: ANG 1000* req# 1A2-GEP 3, STA 2014C* req# 1C2-GEP 3
- Spring: ANT 2410 Cult Anthro Anthro 3, ANT 2511 The Human Species 3

Junior Year
- Fall: ANT 3142* req# 6-ResElect 3, ANT 3164* req# 5-Area 3
- Spring: ANT 3145 Arch of Cmplx Soc 3, ANT 4586 Human Origins 3

Senior Year
- Fall: ANT 3148* req# 6-ResElect 3, ANG 5272* req# 6-ResElect 3
- Spring: ANT 3145 Arch of Cmplx Soc 3, ANT 4586 Human Origins 3
**ART (B.F.A.)**

College of Arts and Humanities

Art Department, VAB 117, 407-823-2676


Contact: J. Chavda; 407-823-2676

The BFA degree is recommended for studio art majors who plan to attend graduate school.

**Note:** Although the department maintains a small computer lab for student use, Graphic Design majors must have continual access to a laptop computer. Contact the department for the minimum hardware and software specifications.

The Art Department affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

**Admission Requirements**

- All junior level students in this program (except Animation and Graphic Design students) must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Graphic Design students must satisfactorily complete the mandatory Graphic Design Portfolio Review for admission to this restricted access program, to be admitted in the following Fall. The portfolio application deadline is the first week of March for Fall admission.
- Animation students must successfully complete an Animation Portfolio Review to be admitted to this restricted access program. The Animation Portfolio Review submission deadline is March 15 for admission in the following Fall semester, and October 15 for admission in the following Spring semester.
- Animation applications must include a portfolio of work done in courses, such as drawings, design projects, computer graphics, animation work, and storyboards.
- Students should complete ART 2201C and ART 2300C before applying to be accepted in the Animation BFA program.
- Students must maintain an overall minimum 3.0 GPA in ART 2201C and ART 2300C to qualify for the Animation Specialization.
- Animation students must submit a satisfactory drawing portfolio to be admitted to FIL 3720C.
- Students unable to satisfactorily complete either above requirement, ART 3950 - Portfolio Review, Animation Portfolio Review, or the Graphic Design Portfolio Review, may continue in the Art Department in the Art History track.
- Students may enter the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.
- "D" grades from other institutions do not meet departmental requirements.
- Note: Individual portfolio reviews are not possible due to the large number of applicants to the Animation or Graphic Design programs.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. Nine of these must be in an area of specialization.
- Grades below "C" (2.0) in lower level ART or ARH courses do not satisfy major requirements.
- BFA students must maintain a 3.0 GPA in all ART courses.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor in their studio specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

---

**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>3 hrs</td>
</tr>
<tr>
<td>Select a course from group B.1</td>
<td></td>
</tr>
<tr>
<td>Select ARH 2050</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select ARH 2051</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
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</tr>
<tr>
<td>Prefer MGF 1106 or 1107</td>
<td>3 hrs</td>
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<tr>
<td>(may substitute a higher level math)</td>
<td></td>
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<tr>
<td>Prefer STA 1000C</td>
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<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
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<td>E. Science Foundations</td>
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**2. Common Program Prerequisites**

<table>
<thead>
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<th>Course</th>
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<tr>
<td>ART 2201C</td>
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<tr>
<td>Design Fundamentals 2-D</td>
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</tr>
<tr>
<td>ART 2203C*</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Design Fundamentals 3-D</td>
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<tr>
<td>ART 2300C*</td>
<td>3 hrs</td>
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<tr>
<td>Drawing Fundamentals I</td>
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<tr>
<td>ART 2301C*</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Drawing Fundamentals II</td>
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</tr>
<tr>
<td>ARH 2050</td>
<td>3 hrs</td>
</tr>
<tr>
<td>History of Western Art I</td>
<td></td>
</tr>
<tr>
<td>ARH 2051</td>
<td></td>
</tr>
<tr>
<td>History of Western Art II</td>
<td></td>
</tr>
<tr>
<td>GRA 2101C*</td>
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</tr>
<tr>
<td>Intro to Computer Art</td>
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</tr>
<tr>
<td>Any ART prefix, studio, or media courses at the 2000-4000 levels</td>
<td>3 hrs</td>
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</table>

*See Transfer Notes for possible substitutes

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

---

**3. Core Requirements**

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>ART 2820</td>
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<tr>
<td>Art as Interface</td>
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<tr>
<td>ARH 2500</td>
<td>3 hrs</td>
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<tr>
<td>Survey of Non-Western Art</td>
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<tr>
<td>ART 3950</td>
<td>0 hrs</td>
</tr>
<tr>
<td>Portfolio Review</td>
<td></td>
</tr>
</tbody>
</table>

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**4. Restricted Electives**

**Specialization:**

- Select six upper division courses from one area: (classes with an asterisk may be repeated for credit)

- Animation (ART 3643C, FIL 3720C, FIL 3734C, FIL 3041, FIL 4735C, FIL 4750C*)
- Ceramics (ART 3760C, ART 3764C, ART 4783C*)
- Drawing (ART 3332C, ART 4320C*)
- Drawing/Printmaking Combination (ART 3332C, ART 4320C*, ART 3433C, ART 4402C*)
- Drawing/Illustration Combination (ART 3332C, GRA 3151C, ART 4320C*, GRA 4154C*)
- Graphic Design (GRA 3100C, GRA 3112C, GRA 3801C, GRA 4196C, GRA 4197C*, GRA 4802C)
- Painting (ART 3504C, ART 4505C*)
- Photography (PGY 3410C, PGY 4420C*, PGY 4440C) 
- Sculpture (ART 4710C*)

*may be repeated for credit

- 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.

- Select three upper-division Art History courses

**or**

- Select one upper division course in Art History, Humanities, and Social Science.

**or**

- Select one upper division course in Art History, Humanities, and Social Science.

**For Animation specialization:**

- Any two upper level Art History or Film History courses

**& ART 4971 Thesis**

2 hrs

(A minimum 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 hrs

Degree Programs

ART - HISTORY TRACK (B.A.)
College of Arts and Humanities
Art Department, VAB 117, 407-823-2676
http://www.art.ucf.edu/

Contact: M. Zaho, 407-823-2676

The Art Department affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below "C" (2.0) in lower level courses do not satisfy major requirements
- Co-op credit cannot be used in the major
- Students should consult with a departmental art history advisor
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. Nine of these must be in an area of ARH specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations 9 hrs
   - B. Cultural and Historical Foundations
     - Prefer a course from group B.1 3 hrs
     - Select ARH 2050 History of Western Art I 3 hrs
     - Select ARH 2051 History of Western Art II 3 hrs
   - C. Mathematical Foundations
     - Prefer MGF 1106 Finite Mathematics or MGF 1107
     - (may substitute a higher level math) 3 hrs
     - Prefer STA 1060C Statistics Using Excel 3 hrs
   - D. Social Foundations 6 hrs
   - E. Science Foundations 6 hrs

2. Common Program Prerequisites (6 hrs)
   - ART 2201C Design Fundamentals 2-D 3 hrs
   - ART 2300C Drawing Fundamentals I 3 hrs
   - ARH 2050 History of Western Art I 3 hrs
   - ARH 2051 History of Western Art II 3 hrs
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (18 hrs)
   - 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 (24 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
ART 4140 Greek Art and Architecture

5. Departmental Exit Requirements
- Achieve at least a "C" GPA (2.0) in courses within the major
- Computer Competency met by STA 1060C, GRA 2101C, or ARH 3820

6. Foreign Language Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded (if applicable)
- 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

Sophomore Year
Fall
- COM 1000* req# 1A3-GEF 3
- POS 2041* req# 1B1-GEF 3
- ART 2201C Design Fund II 2 D
- ART 2300C Drawing Fund I 3
- ENC 3311 Adv Exp Writing 3
- SPN 1120C* req# Lang/Elect 3

Spring
- ANT 2000* req# 1D2-GEF 3
- BSC 1005* req# 1E1-GEF 3
- CHM 1020* req# 1E1-GEF 3
- ARH 4545* req# 4a-ResEl 3
- SPN 1120C* req# Lang/Elect 3

Junior Year
Fall
- ARH 4310 Italian Renaiss Art 3
- ARH 4450 20th Century Art 3
- ARH 3710* req# 4c-ResEl 3
- ARH 4655* req# 4c-ResEl 3
- ARH 4350* req# 4b-ResEl 3
- Elective* Check restrictions 3

Spring
- ARH 4350* req# 4b-ResEl 3
- ARH 4XXX 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3

Senior Year
Fall
- ARH 4350* req# 4b-ResEl 3
- ARH 4XXX 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3

Spring
- ARH 4350* req# 4b-ResEl 3
- ARH 4XXX 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3

ART - STUDIO TRACK (B.A.)
College of Arts and Humanities
Art Department, VAB 117, 407-823-2676
http://www.art.ucf.edu/
Contact: J. Chavda, 407-823-2676

Note: The Art Department's catalog is available online and must be used. The department maintains a computer lab for student use, and students must satisfy departmental requirements as outlined in the catalog. Contact the department for the most current catalog.

The Art Department affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Degree Requirements
- All junior level students in this program (except Graphic Design and Animation students) must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below "C" (2.0) in lower level ART and ARH courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a departmental advisor in their specialization.
- The 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
- Communication Foundations 9 hrs
- Cultural and Historical Foundations
- Select a course from group B.1 3 hrs
- Select ARH 2050 The History of Western Art I 3 hrs
- Select ARH 2051 The History of Western Art II 3 hrs
- Select a course from either group B.1 or B.2 3 hrs
- Mathematical Foundations 3 hrs
- Prefer MGF 1106 Finite Mathematics or MGF 1107 3 hrs
- Prefer STA 1060C Statistics Using Excel 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites
- ART 2201C Design Fundamentals 2-D 3 hrs
- ART 2203C* Design Fundamentals 3-D 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- ARH 2050 The History of Western Art I 3 hrs
- ARH 2051 The History of Western Art II 3 hrs
- GRA 2101C* Intro to Computer Art 3 hrs
- ART 2XXX-4XXX any ART prefix, studio or media course 3 hrs

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# IBI-GEF 3
MGF 1100* req# 1C1-GEF 3

Spring
ARH 2051 His of West Art II 3
ENC 1102 Composition II 3
STA 1060C Stat Using Excel 3
Elective* Check restrictions 3

Elective
- Check restrictions

Sophomore Year
Fall
- POS 2041* req# 1B1-GEF 3
- ART 2201C Design Fund II 2 D
- ART 2300C Drawing Fund I 3
- ENC 3311 Adv Exp Writing 3
- SPN 1120C* req# Lang/Elect 3

Spring
- ANT 2000* req# 1D2-GEF 3
- BSC 1005* req# 1E1-GEF 3
- CHM 1020* req# 1E1-GEF 3
- ARH 4545* req# 4a-ResEl 3
- SPN 1120C* req# Lang/Elect 3

Junior Year
Fall
- ARH 4310 Italian Renaiss Art 3
- ARH 4450 20th Century Art 3
- ARH 3710* req# 4c-ResEl 3
- ARH 4655* req# 4c-ResEl 3
- ARH 4350* req# 4b-ResEl 3
- Elective* Check restrictions 3

Spring
- ARH 4350* req# 4b-ResEl 3
- ARH 4XXX 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3

Senior Year
Fall
- ARH 4350* req# 4b-ResEl 3
- ARH 4XXX 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3

Spring
- ARH 4350* req# 4b-ResEl 3
- ARH 4XXX 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3
3. Core (6 hrs)
   ART 2820 Art As Interface 3 hrs
   ARH 2500 History of Non-Western Art 3 hrs
   ARH 3950 Portfolio Review 0 hrs

4. Restricted Electives (27 hrs)
   Specialization:
   Select nine upper division courses from at least three areas:
   - Art History (any upper level ARH courses)
   - Ceramics (ART 3760C, ART 4783C*)
   - Drawing and Printmaking (ART 3332C, ART 3433C, ART 4320C*, ART 4402C*)
   - Illustration (GRA 3151C, GRA 4154C*)
   - Painting (ART 3332C, ART 3333C, ART 4320C*, ART 4321C*)
   - Ceramics (ART 3760C, ART 4783C*)
   - Book Arts (ART 3176C, ART 3175C, ART 3171C, ART 3171C, ART 3737C, ART 4413C)
   - Art History (any upper level ARH courses)
   - Sculpture (ART 2701C, ART 4710C*)
   - Type & Design (GRA 3113C)
   - Computer Competency met by STA 1060C or GRA 2101C*
   *May be repeated for credit

5. Departmental Exit Requirement
   - Achieve at least a "C" GPA (2.0) overall in courses within the major
   - Computer Competency met by STA 1060C or GRA 2101C

6. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

7. Electives (variable)
   Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.
   (A maximum of six hours of Independent Study, Practicum, and Internship permitted.)

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Art History, Studio Art (BFA), Art Education
Related Minors: Partners in Visual Art Education, Digital Media

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- GRA 2101C: may substitute 3 hours of any digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major

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

Equipment Fee
- Full-time Student: $63 per term
- Part-time Student: $31.50 per term

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

Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>ARH 2500 History of West Art I</td>
<td>3</td>
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<tr>
<td>ENC 1101 Composition I</td>
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<tr>
<td>HUM 2201 req* 1BL-GE</td>
<td>3</td>
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<td>MGF 1106 req* 1CI-GE</td>
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<td>ARH 2300 History of West Art I</td>
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<tr>
<td>ARH 3950 Portfolio Review</td>
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Sophomore Year

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<td>POS 2041 req* 1DI-GE</td>
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<td>GRA 2101C Intro to Comp Art</td>
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<td>ARH 3950 Portfolio Review</td>
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Junior Year

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Senior Year

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<tr>
<td>ARH 4350 req* 4-ResElec</td>
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<tr>
<td>ART 4320C req* 4-ResElec</td>
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<tr>
<td>Elective* Check restrictions</td>
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<td>3</td>
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<td>SPN 1121C req# Lang/Elec</td>
<td>4</td>
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</table>

ART EDUCATION (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209
[http://education.ucf.edu/arted](http://education.ucf.edu/arted)

Program Coordinator: Dr. Thomas Brewer, ED 122-U, 407-823-3714, E-mail: tbrewer@mail.ucf.edu

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

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

1. UCF General Education Program* (36 hrs)

   A. Communication Foundation (9 hrs)
      1. ENC 1101 English Composition I 3 hrs
      2. ENC 1102 English Composition II 3 hrs
      3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B. Cultural-Historical Foundation (9 hrs)
      1. Prefer: AMH 2001 U.S. History 1877-present 3 hrs
      2. Select: ARH 2500 History of Western Art I 3 hrs
      (A grade of "C-" (1.75) or better is required in ARH 2500)
      3. Prefer: AMH 2000 U.S. History 1877-present 3 hrs

   C. Mathematical Foundation (3 hrs)
      1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs
      2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs

   D. Social Foundation (6 hrs)
      1. Prefer: POS 2041 American National Government 3 hrs
      2. Prefer: PSY 2012 General Psychology 3 hrs
E. Science Foundation (6 hrs)
1. Prefer: PSC 1121 Physical Science 3 hrs
2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs
*Note: students are strongly advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)
EDF 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
*Note: In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

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

3. Other Program Prerequisites (30 hrs)
*ARH 2050 History of Western Art I 3 hrs
*ARH 2051 History of Western Art II 3 hrs
*ART 2201C Designs Fundamentals I 3 hrs
*ART 2203C Designs Fundamentals II 3 hrs
*ART 2301C Drawing Fundamentals I 3 hrs
*ART 2305C Drawing Fundamentals II 3 hrs
*GRA 2101C Intro to Computer Graphics 3 hrs
ART 2574C Ceramics 3 hrs
ART 2500C Painting 3 hrs
ART 2400C Printmaking 3 hrs
PGY 2401C Photography 3 hrs
*Prerequisites for all 3000 and 4000 core and elective ARE and ART courses.

4. Education Core Requirements (15 hrs)
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools 3 hrs
RED 4043 Content Reading K-12 3 hrs
* Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required art courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
* Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
* Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

5. Internship I (3 hrs)
ARE 3940 Internship I 3 hrs

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

7. Restricted Electives (9 hrs)
Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor's approval)
* Passing score on the Subject Area Examination (Art K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
* All art courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

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

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

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

11. University Minimum Exit Requirements
* Achieve a minimum 2.5 GPA in all courses within the major.
* Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
* Pass all applicable sections of the Florida Teacher Certification Examination.

12. Total Program Semester Hours Required 126 hrs
Consult with your Education advisor and review your degree audit for more recent information.

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

13. Recommended Four Year Sequence of Course
The program of study will be affected by course offerings and availability. Please see the Art Education Web site at http://education.ucf.edu/arted/ for the advising policy.

Freshman Year
Fall 15 hrs
EDF 2005 Intro to the Teaching Prof 3 hrs
ENC 1101 English Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
ART 2201C Designs Fund I 3 hrs

Spring 12 hrs
ARE 3940 Internship I 3 hrs
PGY 2401C Photography 3 hrs

Sophomore Year
Fall 12 hrs
AMH 2010 US History 1492-1877 3 hrs
ART 2203C Designs Fund II 3 hrs
STA 2014C Principles of Statistics 3 hrs
TSL 4080 Theory & Pract of Teach ESOL 3 hrs

Spring 15 hrs
AMH 2020 US History 1877-Present 3 hrs
ART 2200C Drawing Fund I 3 hrs
STA 1060C Basic Stat using MS Excel 3 hrs

Junior Year
Fall 15 hrs
ARE 4356 Teach Art Apprec & Critic 3 hrs
ART 2301C Drawing Fund II 3 hrs
EDF 4467 Learn Theory & Asmnt 3 hrs
EDG 4410 Teach Strat & Class Mgmt 3 hrs
TSL 4080 Theory & Pract of Teach ESOL 3 hrs

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

Senior Year
## Biology (B.S.)

**College of Sciences**  
**Biology Department, BL 301, 407-823-2141**  
[http://www.cos.ucf.edu/biology](http://www.cos.ucf.edu/biology)  
**E-mail:** biology@ucf.edu  
**Contact:** F. Logiudice, 407-823-2141

### Admission Requirements

None

### Degree Requirements

- Students who choose degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSID, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- No more than 4 hours of BSC 4422L, BSC 4937, Independent Study, Directed Research, or similar types of credit may be applied toward major requirements.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Upon reaching junior standing Biology majors are expected to have completed the following courses: BSC 2010C, BSC 2011C, CHM 2045C, CHM 2046, CHM 2210, CHM 2211, and associated Chemistry laboratories. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

### 1. UCF General Education Program

**Total: 36+3 hrs**

- **A. Communication Foundations**
  1. Select ENC 1101 and ENC 1102  
  6 hrs
  2. Prefer SPC 1603  
  3 hrs
- **B. Cultural and Historical Foundations**
  9 hrs
- **C. Mathematical Foundations**
  1. Select MAC 2311  
  4 hrs
  2. Select STA 2023  
  3 hrs
- **D. Social Foundations**
  6 hrs
- **E. Science Foundations**
  1. Select CHM 2045C or CHM 2040C and 2041C  
  4 hrs
  2. Select BSC 2010C  
  4 hrs

### 2. Common Program Prerequisites

**Total: 16 hrs**

- BSC 2010C  
  Biological 1  
  GEP
- BSC 2011C  
  Biology II  
  GEP
- MAC 2311*  
  Calculus w/ Analy Geometry I  
  GEP
- STA 2023*  
  Statistical Methods I  
  GEP
- CHM 2045C  
  Chem Fund I  
  GEP
- CHM 2046 & CHM 2046L  
  Chem Fund I & Lab  
  4 hrs
- Select one Physics sequence with labs*  
  8 hrs
  - PHYS 2053C  
    College Physics I and
  - PHYS 2054C  
    College Physics II  
  or
  - PHYS 2048L  
    Physics Engr. & Sci. I & Lab and
  - PHYS 2049L  
    Physics Engr. & Sci. II & Lab  

*See Transfer Notes for possible substitutes

+CHM 2040C plus CHM 2041C can substitute for CHM 2045C

### 3. Core Requirements

**Total: 21-22 hrs**

Select one Chemistry sequence  
CHM 2210  Organic Chem. I and  
3 hrs  
CHM 2211L  Organic Chem. II & Lab  
5 hrs  
or
CHM 3120L & CHM 3120L  Analytical Chemistry & Lab and  
4 hrs

CHM 2205  Intro Organic & Biochemistry  
5 hrs

PCB 3044  Principles of Ecology  
3 hrs

PCB 3063  Genetics  
3 hrs

PCB 3023  Molecular Cell Biology  
3 hrs

PCB 4683  Evolutionary Biology  
4 hrs

(Note: Students planning on entering professional or graduate school should take Biochemistry (CHM 4053, CHM 4054) as well as additional Calculus courses. Students are urged to consult their departmental advisor.)

### 4. Upper Division Restricted Electives

**Total: 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. Courses offered by the Department of Biology have been designated with an asterisk (*).
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Courses at the 5000 level are only open to seniors and beginning graduate students.

#### 4.1 Form/Function (minimum of one lecture course)

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>BCH 4053</td>
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<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
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<td>b</td>
<td>BOT 4223C*</td>
<td>Plant Anatomy</td>
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<tr>
<td>b</td>
<td>BOT 4303C</td>
<td>Plant Kingdom</td>
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<tr>
<td>b</td>
<td>BOT 4503*</td>
<td>Plant Physiology</td>
</tr>
<tr>
<td>b</td>
<td>BSC 4101*</td>
<td>History of Biology</td>
</tr>
<tr>
<td>a</td>
<td>CHM 4454*</td>
<td>Research in Animal Physiology</td>
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<tr>
<td>PCB 3024L*</td>
<td>Molecular Cell Biology Laboratory</td>
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<td>PCB 3063L*</td>
<td>Genetics Laboratory</td>
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<tr>
<td>PCB 3223</td>
<td>Immunology</td>
<td>3 hrs</td>
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<td>PCB 3703C</td>
<td>Human Physiology</td>
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<td>PCB 4514*</td>
<td>Genetics II</td>
<td>3 hrs</td>
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<td>PCB 4524</td>
<td>Molecular Biology II</td>
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<td>PCB 4683L*</td>
<td>Evolutionary Biology Lab</td>
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<td>a</td>
<td>PCB 4723*</td>
<td>Animal Physiology</td>
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<td>PCB 5656C*</td>
<td>Human Genetics</td>
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<tr>
<td>PCB 5935*</td>
<td>Population Genetics</td>
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<td>a</td>
<td>PCB 3713C*</td>
<td>Comparative Vet Anatomy</td>
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<td>a</td>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
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<td>a</td>
<td>ZOO 4603C*</td>
<td>Embryology/Development</td>
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<td>a</td>
<td>ZOO 4753C</td>
<td>Vertebrate Histology</td>
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#### 4.2 Environmental (minimum of one lecture course)

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<tr>
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<td>b</td>
<td>BOT 3152C*</td>
<td>Local Flora</td>
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<tr>
<td>b</td>
<td>BOT 3880*</td>
<td>Ethnobotany</td>
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<tr>
<td>b</td>
<td>BOT 4156C*</td>
<td>Florida Wildflowers</td>
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<tr>
<td>b</td>
<td>BOT 4688C*</td>
<td>Conserve &amp; Mgt. of Native Plants</td>
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<tr>
<td>a</td>
<td>BSC 5937*</td>
<td>Invasion Biology</td>
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<tr>
<td>BSC 4312C*</td>
<td>Marine Biology</td>
<td>4 hrs</td>
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<tr>
<td>BSC 5285L*</td>
<td>Tropical Bio Research &amp; Conservation</td>
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<tr>
<td>a</td>
<td>BSC 5832*</td>
<td>Biogeography</td>
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<td>a</td>
<td>PAZ 5235*</td>
<td>Zoo &amp; Aquarium Mgt.</td>
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<tr>
<td>PCB 3044L*</td>
<td>Ecology Laboratory</td>
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<tr>
<td>PCB 3304C*</td>
<td>River Ecology</td>
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</tr>
<tr>
<td>PCB 3355C*</td>
<td>Tropical Marine Biology</td>
<td>2 hrs</td>
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<td>PCB 2442*</td>
<td>Florida Aquatic Ecology</td>
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<td>PCB 5326C*</td>
<td>Ecosystems of Florida</td>
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<tr>
<td>PCB 5435C*</td>
<td>Marine Ecology of Florida</td>
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<td>PCB 5485*</td>
<td>Models in Ecology</td>
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<tr>
<td>a</td>
<td>ZOO 4513*</td>
<td>Animal Behavior</td>
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<tr>
<td>a</td>
<td>ZOO 5330*</td>
<td>Behavioral Ecology</td>
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#### 4.3 Systematic (minimum of one lecture course)

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<td>b</td>
<td>BOT 5485C*</td>
<td>Terrestrial Cryptogams</td>
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<tr>
<td>a</td>
<td>ENY 4004C*</td>
<td>General Entomology</td>
</tr>
<tr>
<td>a</td>
<td>ENY 5006C*</td>
<td>Entomology</td>
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<tr>
<td>b</td>
<td>PCB 3202C</td>
<td>General Microbiology</td>
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<tr>
<td>a</td>
<td>ZOO 4206C*</td>
<td>Bio &amp; Eol of Metazoan Inverts</td>
</tr>
<tr>
<td>a</td>
<td>ZOO 4310C*</td>
<td>Vertebrate Evolution &amp; Ecology</td>
</tr>
<tr>
<td>a</td>
<td>ZOO 5465C*</td>
<td>Ichthyology</td>
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</tbody>
</table>
a ZOO 5463C*  Herpetology  4 hrs  
a ZOO 5457L*  Field Ornithology  3 hrs  
a ZOO 5468C  Mammalogy  4 hrs  
*Designates courses offered by the Department of Biology.
Additional courses (e.g., BSC 4422L and BSC 5408L) may be used to meet a group requirement with approval of the undergraduate program coordinator 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 are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
   Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements  (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation:  none

7. Electives  (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residency at UCF
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required  120 hrs
Related Programs: Molecular and Microbiology, Science Education, Environmental Engineering
Related Minors: Biology, Molecular and Microbiology, Environmental Studies.
Transfer Notes:
   Lower Division courses taken at community colleges do not substitute for Upper Division courses.
   Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.
Acceptable Substitutes:
The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
   CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
   BSC 2010C & Lab: may use PCB 2010, PCB 2011, PCB 2021, PCB 2131, BSC 1040, or BSC 2012
   BSC 2011C & Lab: may use ZOO 2010, BOT 2010, BSC 2041, or BOT 1013. However, subsequent Biology courses require either BSC 2011C or both ZOO 2010 and BOT 2010.
   STA 2023: may use STA 2122, STA 214C, STA 2023, STA 2024, STA 2321, MAC 2234, MAC 2254, or MAC 3282. However, statistics at or above the level of STA 2032 is required in the major and still must be taken.
   MAC 2311: may use MAC 2233 or MAC 2253 or MAC 2241
Physics: Although Common Program Prerequisites permit substituting Organic Chemistry for Physics, both Physics and Organic Chemistry must be taken as part of the Biology degree requirements.

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

Equipment Fee
   Full-time Student ..................................... $38 per term
   Part-time Student .................................... $19 per term

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

Summer

Freshman Year
   Fall  Spring
   BSC 2010C Biology I  4  ENC 1102 Composition II  3
   CHM 2045C Chem Fund I  4  BSC 2011C Biology II  4
   ENC 1101 Composition I  3  CHM 2046 Chemistry Fund II  3
   Elective* Check restrictions 3  CHM 204L Chemistry Fund L  1
   Elective* Check restrictions 3

Sophomore Year
   Fall  Spring
   MAC 2311 Calc Analytic Geo I  4  SPC 1603 Fund Tech Presntn  3
   POS 2041* req# 1D1-GEP  3  CHM 2211* req# 3-Core  3
   STA 2023 Stat Methods I  3  PCB 3063 Genetics  3
   CHM 2210* req# 3-Core  4  MCB 3020C* req# 4.3-ResEl  5
   PCB 3044 Prin of Ecology  3  Elective* Check restrictions 3

Junior Year
   Fall  Spring
   PHY 2053C* req# 2-CPP  4  PCB 3023 Mol Cell Biology  3
   PCB 4683 Evolutionary Biology  3
   Elective* Check restrictions 3  Elective* Check restrictions 3

Senior Year
   Fall  Spring
   HUM 2210* req# 1B1-GEP  3  MCB 3020C* req# 4.3-ResEl  5
   PSY 2011* req# 1D2-GEP  3  Elective* Check restrictions 3
   REL 2300* req# 1B3-GEP  4  Elective* Check restrictions 3
   PCB 4683 Evolutionary Biology  3

BIOLOGY – PREPROFESSIONAL CONCENTRATION (B.S.)
College of Sciences
Biology Department; BL 301, 407-823-2141
http://www.cos.ucf.edu/biology
E-mail: biology@ucf.edu
Contact: F. Loguidice, 407-823-2141

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

Admission Requirements  none

Degree Requirements
   Students who change degree programs and select this major must adopt the most current catalog.
   No credit by exam (TSD, Military credit) may be used for the major.
   Co-op or internship credit cannot be used in this major.
   No more than 4 hours of BSC 4422L, BSC 4937, Independent Study, Directed Research, or similar types of credit may be applied toward major requirements.
   Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
   Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
1. UCF General Education Program (36+3 hrs)

A. Communication Foundations
1. Select ENC 1101 A. Communication Foundations (36+3 hrs)
2. Select STA 2023 3 hrs

B. Cultural and Historical Foundations 9 hrs
1. Select MAC 2311 4 hrs
2. Select CHM 2211 or CHM 2040C and CHM 2041C 4 hrs
3. Select BSC 2010C 4 hrs

C. Mathematical Foundations
1. Select MAC 2311 4 hrs
2. Select STA 2023 3 hrs

D. Social Foundations 6 hrs

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

2. Common Program Prerequisites (16 hrs)

A. Biology I GEP
B. Biology II GEP
C. Calculus w/Analytic Geometry I GEP
D. Statistical Methods I GEP
E. Chem Fund I GEP
F. Chem Fund II & Lab 4 hrs
G. College Physics I GEP
H. College Physics II 4 hrs
I. Evolutionary Biology 4 hrs
J. College Physics I or College Physics II
K. Physics Engr. & Sci. I & Lab
L. Physics & Sci. II & Lab

3. Core requirements (21 hrs)

A. Principles of Ecology 3 hrs
B. Genetics 3 hrs
C. Organic Chemistry I 3 hrs
D. Organic Chemistry II & Lab 5 hrs
E. Molecular Cell Biology 3 hrs
F. Evolutionary Biology 4 hrs

4. Restricted Electives (Suggested) (22 hrs)

- Student must complete at least one course dealing exclusively with animals (marked ‘a’) and one course dealing exclusively with plants (marked ‘b’).
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department. Courses offered by the Department of Biology have been designated with an asterisk (*).
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- The following substitutions 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)

A. Biochemistry I
B. Biochemistry II
C. Research in Animal Physiology 2 hrs
D. Genetics Laboratory 1 hr
E. Molecular Cell Biology Laboratory 2 hrs
F. Immunology 3 hrs
G. Genetics II 3 hrs
H. Human Genetics 4 hrs
I. Animal Physiology 4 hrs
J. Comparative Verte Anatomy 5 hrs
K. Embryology/Development 5 hrs
L. Vertebrate Evolution & Ecol 4 hrs

4.2 Environmental (minimum of one lecture course)

a. Ethnobotany 3 hrs

4.3 Systematic (minimum of one lecture course)

a. Bio & Ecol of Metazoan Inverts 4 hrs
b. Vertebrate Evolution & Ecol 4 hrs

5. Departmental Exit Requirements

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving classes and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirement (0-8 hrs)

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Biology, Chemistry, Molecular/Microbiology

Related Minors: none

Transfer Notes:

- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the undergraduate program coordinator for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes:

- BSC 2010C & Lab: may use PCB 2010, PCB 2111, PCB 2021, PCB 2131, BSC 1040, or BSC 2012
- BSC 2011C & Lab: may use ZOO 2010, BOT 2010, BSC 2041, or BOT 1013. However, subsequent Biology courses require either BSC 2011C or both ZOO 2010 and BOT 2010.
- STA 2023: may use STA 2122, STA 204C, STA 2023, STA 2024, STA 2321, MAC 2234, MAC 2254, or MAC 3292. However, statistics at or above the level of STA 2023 is required in the major and still must be taken.
- MAC 2311: may use MAC 2233 or MAC 2523 or MAC 2241
- Physics: Although Common Program Prerequisites permit substituting Organic Chemistry for Physics, both Physics and Organic Chemistry must be taken as part of the Biology degree requirements.
Biology core courses, MCB 3020C, and PCB 4524 prior to taking the MCAT exam has led the department to suggest that a student should have completed all of the required coursework in the prerequisites, core and restricted electives. Suggested Plan of Study:

This is one of numerous possible plans of study. See program description for all requirements. Courses designated by an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer
Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year

<table>
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<tr>
<th>Course</th>
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<tr>
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<tr>
<td>BSC 2010C Biology I</td>
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<tr>
<td>ENC 1102 Composition II</td>
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<td>CHM 2045C Chemistry Fund I</td>
<td>3</td>
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<td>ENC 1101 Composition I</td>
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<td>Spring:</td>
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<tr>
<td>MAC 2312 Calc Analytic Geo I</td>
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</tr>
<tr>
<td>POS 2041 I req 1D1-GEP</td>
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<tr>
<td>STA 2022 Stat Methods I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2210 Organic Chem I</td>
<td>3</td>
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<td>PCB 3044 Prin of Ecology</td>
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Sophomore Year

<table>
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<td>Fall:</td>
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<td>HUM 2210 I req 1B1-GEP</td>
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<td>PHY 2048 I req 2-CPP</td>
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<tr>
<td>PHY 2048L I req 2-CPP</td>
<td>1</td>
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<tr>
<td>PCB 3023 Mol Cell Biology</td>
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</tr>
<tr>
<td>ZOO 3133C I req 4-ResEI</td>
<td>5</td>
</tr>
<tr>
<td>Spring:</td>
<td></td>
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<tr>
<td>CHM 2111 L req 3-Core</td>
<td>2</td>
</tr>
<tr>
<td>BCH 4054* req 4-ResEI</td>
<td>3</td>
</tr>
<tr>
<td>BCH 4053* req 4-ResEI</td>
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<tr>
<td>Elective Check restrictions</td>
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Junior Year

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<td></td>
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<tr>
<td>HUM 2212 I req 1B1-GEP</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049 I req 2-PP</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049L I req 2-PP</td>
<td>1</td>
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<tr>
<td>PCB 4683 Evolutionary Biology</td>
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<tr>
<td>Spring:</td>
<td></td>
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<tr>
<td>CHM 2312 Calc Analytic Geo II</td>
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Senior Year

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<tr>
<td>Fall:</td>
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<td>PSY 2012 I req 1D2-GEP</td>
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<tr>
<td>REL 2300 I req 1B3-GEP</td>
<td>3</td>
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<tr>
<td>PCB 4723* req 4-Res-E-a</td>
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<td>BCH 4053* req 4-ResEI</td>
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<td>Elective Check restrictions</td>
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A Note on Preparing for the MCAT Examination

An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student must have completed all of the biology core courses, MCB 3020C, and PCB 4524 prior to taking the MCAT exam.

BIOTECHNOLOGY (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu
Chair: P.E. Kolattukudy
Program Director: Henry Daniell, E-mail: daniell@mail.ucf.edu

The B.S. Biotechnology produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

Admission Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Students should complete the General Education Program before transferring within the Florida Public University/Community College System.

Students should consult with a Departmental advisor.

Courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.

A student must complete all coursework in the prerequisites, core and restricted electives.

* Those students who do not qualify for the MCB 4970H may elect MCB 4912, Undergraduate Research, as a substitute course, but a research report must be submitted to instructor after completion of research project.

5. Departmental Exit Requirements

To be eligible for a degree in Biotechnology:

A student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the prerequisites, core and restricted electives.

UCF Degree Programs

1. UCF General Education Program

2. Common Program Prerequisites

3. Core Requirements

4. Upper Division Restricted Electives

5. Departmental Exit Requirements
UCF Degree Programs

- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students are required to pass a comprehensive test during their last semester.

6. Electives (variable)

7. Foreign Language Requirements
   - 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:
   - Honors in the Major
   - Related Minors: Biology, Chemistry, Molecular Biology and Microbiology
   - Transfer Notes: Substitutes for Common Program Prerequisites

Total Semester Hours Required: 120 hrs

- Related Programs: Biology, Chemistry, Molecular Biology and Microbiology, Medical Lab Science
- Related Minors: Biology, Chemistry, Molecular Biology and Microbiology
- Transfer Notes: Substitutes for Common Program Prerequisites

Freshman Year

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<thead>
<tr>
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<th>Hours</th>
<th>Term</th>
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<tbody>
<tr>
<td>ENC 1101</td>
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<td>Fall</td>
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<tr>
<td>PSY 2021 or SYG 2000</td>
<td>3</td>
<td>Fall</td>
</tr>
<tr>
<td>or ANT 2000</td>
<td>3</td>
<td>Fall</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>4</td>
<td>Fall</td>
</tr>
<tr>
<td>Cultural/Historical</td>
<td>3</td>
<td>Fall</td>
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Sophomore Year

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<thead>
<tr>
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<th>Hours</th>
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<tr>
<td>Fall</td>
<td>14-15 hrs</td>
<td>Spring</td>
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<tr>
<td>MCB 2210</td>
<td>3</td>
<td>Fall</td>
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<tr>
<td>MCB 3020C</td>
<td>5</td>
<td>Fall</td>
</tr>
<tr>
<td>MAC 2311* or MAC 2253</td>
<td>4/3</td>
<td>Fall</td>
</tr>
<tr>
<td>EUR 2000 or AMH 2010</td>
<td>3</td>
<td>Fall</td>
</tr>
<tr>
<td>or WOH 2012 or HUM 2210</td>
<td>3</td>
<td>Fall</td>
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Plan your required 9 summer hours into your course of study.

Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Term</th>
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<tbody>
<tr>
<td>Fall</td>
<td>13 hrs</td>
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</tr>
<tr>
<td>PCB 3522</td>
<td>3</td>
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<tr>
<td>ECO 2013 or POS 2041</td>
<td>3</td>
<td>Fall</td>
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<tr>
<td>PHY 2053C or PHY 2048*</td>
<td>4</td>
<td>Fall</td>
</tr>
<tr>
<td>or PHY 2049, 2049L</td>
<td>4</td>
<td>Fall</td>
</tr>
<tr>
<td>MCB 4XXX</td>
<td>3</td>
<td>Fall</td>
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For students who transfer in their junior year from the community college (cc), the revised sequence of courses is provided (it is assumed that GEP and physics will be completed at cc):

Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Term</th>
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<tbody>
<tr>
<td>Fall</td>
<td>12/14 hrs</td>
<td>Spring</td>
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<td>BCH 4053</td>
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<tr>
<td>MCB 4312</td>
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<td>Fall</td>
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<tr>
<td>Restricted Elective 2/4</td>
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</table>

BUSINESS

See General Business

BUSINESS ADMINISTRATION (B.A.B.A.)

(College of Business Administration)

(Completion program for individuals who have a statewide articulated A.A. from a Florida public community college)

(Note: This degree program is only available at selected Regional Campuses)

(Cocoa, Daytona, Valencia West, Palm Bay, Sanford/Lake Mary, and South Lake, Osceola and Ocala).

College of Business Administration

Regional Campuses Administrative Offices, 407-823-4547

12201 Research Parkway, Suite 101
http://www.regionalcampuses.ucf.edu

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

Regional Campus Director of Advising: Helen Hill, 407-823-1509, hhill@mail.ucf.edu

Cocoa campus advising: Angelia Jones, 321-433-7889; Clermont/ Ocala campus advising: Selena Forrester, 352-536-2174; Daytona campus advising: Christine Davis, 386-506-4021; Valencia West/ Osceola campus advising: Caroline Obexer, 407-582-5500

The Bachelor of Arts in Business Administration (B.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
admission to the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor.

Admission Requirements
2.0 GPA and completion of General Education, Gordon Rule, and Common Program Prerequisites.

Degree Requirements
- Students who choose degree programs and select this major must adopt the current curriculum.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of "C" (2.0) or better in each course applied toward the major.

1. UCF General Education Program (36 hrs)

A. Communication Foundations
   Preferred: SPC 1608
   9 hrs
B. Cultural and Historical Foundations
   9 hrs
C. Mathematical Foundations
   Select MAC 1140 Pre-Calculus
   3 hrs
   Select STA 2023 Principles of Statistics
   3 hrs
D. Social Foundations
   Select ECO 2013 Microeconomics or
   ECO 2013 Microeconomics, PSY 2022, SYG 2000 or ANT 2000
   3 hrs
E. Science Foundation
   3 hrs

2. Common Program Prerequisites (18-21 hrs)
   Must be completed with a "C" (2.0) or better.
   ACG 2021 Principles of Financial Accounting 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   ECO 2013 Microeconomics 3 hrs
   ECO 2023 Microeconomics 3 hrs
   *ECO 3401 Quantitative Business Tools 3 hrs
   *CGS 2100C Computer Fundamentals for Business 3 hrs
   *UCF students who have completed MC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" or better must take ECO 3401.

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

3. Core Classes (36 hrs)

First or subsequent semester in the College of Business Administration:

GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
GEB 3375 Introduction to International Business 4 hrs
BUL 3130 Legal & Ethical Environments of Business 4 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
MAN 3025 Management of Organizations 4 hrs
ISM 301C Essentials of Management Information Systems 4 hrs
MAR 3023 Marketing 4 hrs

Last Semester:
MAN 4720 Strategic Management 4 hrs

4. Area of Specialization (18 hrs min)
   Existing non-business minor offered at Regional Campus

5. Foreign Language Requirements (0-8 hrs)

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

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

6. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits are permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs (A.A. Transfers)

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and 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 higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Program Academic Learning Compacts

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

Equipment Fee

- Full-time Student ..............................................$30 per term
- Part-time Student ..............................................$15 per term

CARIOPULMONARY SCIENCES (B.S.)

College of Health and Public Affairs
Department of Health Professions
HPA2 210, 407-823-2214
http://www.cohpa.ucf.edu/health.pro/
Undergraduate Program Director: Steve Shideler;
E-mail: cardiovascular@mail.ucf.edu

Admission Requirements

Acceptance to the university does not necessarily constitute admission to the upper division cardiopulmonary sciences program.
- Separate Application to the limited access program must be made directly to the program prior to March 1st of the year admission is sought.
- Application to the University must also be submitted by the program deadline of March 1st. Acceptance to UCF is necessary before acceptance to the Cardiopulmonary Sciences program can occur.
This limited access program is work-intensive and courses include clinical practice in a variety of healthcare settings. Due to this it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

Once application is complete, including supporting documentation, students will be notified for a personal interview with program faculty.

Student must complete all general education, foreign language, and program admission prerequisites by the end of Spring Semester before starting the program.

All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C”.

A one page statement of intent for entry into the profession must be included with the program application. Typical papers are single spaced and approximately 500 words in length. Candidate should reflect on their reasons for wishing to become a respiratory care professional and their feelings concerning their recent site visit to a respiratory or cardiopulmonary department.

Applicants are required to complete a BCLS (advanced CPR) course offered by American Heart Association (AHA) or AHA approved provider of BCLS training specifically designed for healthcare care providers prior to their admission to the limited access cardiopulmonary sciences program.

The limited access portion of the cardiopulmonary sciences program has a requirement for all students to submit a criminal background check prior to the scheduling of a personal interview. This requirement mirrors clinical affiliates’ need to guarantee patient safety by screening students prior to providing them access to their patient populations.

The practice of respiratory care can be a physically challenging experience. Students must possess a level of visual acuity, auditory perception, and motor coordination necessary to participate fully in this strenuous patient care centered program. Specific questions about the physical requirements for this program and professional duties should be directed to the Program Director.

This department will continue to accept Associate in Arts (AA) and Associate in Science (AS) transfers, but those students admitted with only the AS degree will need to complete the UCF General Education requirements before they can be actively considered for admission to this limited access program. Students should seek advisement from the program as soon as they declare Cardiopulmonary Sciences as their major so that they are kept abreast of current articulation activity.

Limited-Access Program: A total of 20 UCF undergraduate students are admitted each fall semester for the limited access Cardiopulmonary Sciences program.

RRT-Transfer Option Program: Registered Respiratory Therapists (RRT’s) applying for the RRT-Transfer Option Program will be admitted on a space available basis. These individuals have a separate application process and are not counted as part of the regular Limited Access Cardiopulmonary Sciences class. For more information, please see below: “RRT-Transfer Option Program.”

Degree Requirements

- Students who are pending Cardiopulmonary Sciences and are admitted to the program must adopt the most current catalog
- Students should complete the UCF General Education, Foreign Language, CLAST, and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
- Student should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Cardiopulmonary Sciences Program
- UCF Residency Requirement: 32 hours
- 25% of course work must be completed in residency at UCF
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

1. UCF General Education Program (36+2 hrs)
   (Note: Certain courses must be selected in the GEP for this major, bringing the total
   GE P hours to more than 36.)

   A. Communication Foundations 9 hrs
      1. Communication 1010
      2. Communication 1020
   B. Cultural Historical Foundations 9 hrs
      1. Cultural Diversity
      2. Humanities
   C. Mathematical Foundations 6 hrs
      1. Math 1033
      2. Math 1095
   D. Social Foundations 6 hrs
      1. Social Science 2010
      2. Social Science 2020
   E. Science Foundations 8 hrs
      1. Science 1008
      2. Science 2008

2. Common Program Prerequisites (16 hrs)

   MAC 1105 College Algebra 4 hrs
   STA 2023 Statistical Methods I 3 hrs
   BSC 2010C Biology I 4 hrs
   MCB 2004C Microbiology 4 hrs
   ZOO 3733C Human Anatomy* 4 hrs
   PCB 3703C Human Physiology* 4 hrs
   CHM 1032&L Chemistry for Health Sciences or higher level (with lab) 4 hrs
   PHY 2053S College Physics or higher level (with lab) 4 hrs

   *See Transfer Notes

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

3. Core Requirements (72 hrs)

   RET 3264C Respiratory Care Practice II 5 hrs
   RET 3874 Clinical Practice I 5 hrs
   RET 4284 Cardiopulmonary Diagnostics I 3 hrs
   RET 4414C Pulmonary Function Studies 4 hrs
   RET 4244 Life Support Systems 3 hrs
   RET 3274C Cardiac Rhythm Assessment 3 hrs
   RET 4285 Cardiopulmonary Diagnostics II 3 hrs
   RET 4034 Problems in Patient Management. 3 hrs
   RET 3875 Clinical Practice II 8 hrs
   RET 4285 Cardiopulmonary Diagnostics II 3 hrs
   RET 4934 Selected Topics in Respiratory Care 2 hrs
   RET 4876 Clinical Practice III 8 hrs
   RET 4536 Cardiopulmonary Rehabilitation 3 hrs
   RET 3483C Respiratory Clinical Assessment 3 hrs
   RET 3484C Cardiopulmonary Physiology 4 hrs
   RET 4244 Life Support Systems 3 hrs
   RET 3264C Respiratory Care Practice II 5 hrs
   RET 4284 Cardiopulmonary Diagnostics I 3 hrs
   RET 4414C Pulmonary Function Studies 4 hrs
   RET 4244 Life Support Systems 3 hrs
   RET 3174 Pediatric Respiratory Care 3 hrs
   RET 4285 Cardiopulmonary Diagnostics II 3 hrs
   RET 4934 Selected Topics in Respiratory Care 2 hrs
   RET 4876 Clinical Practice III 8 hrs
   RET 4536 Cardiopulmonary Rehabilitation 3 hrs
   RET 3264C Respiratory Care Practice II 5 hrs
   RET 3874 Clinical Practice I 5 hrs
   RET 4284 Cardiopulmonary Diagnostics I 3 hrs
   RET 4414C Pulmonary Function Studies 4 hrs
   RET 4244 Life Support Systems 3 hrs
   RET 3274C Cardiac Rhythm Assessment 3 hrs
   RET 4285 Cardiopulmonary Diagnostics II 3 hrs
   RET 4934 Selected Topics in Respiratory Care 2 hrs
   RET 4876 Clinical Practice III 8 hrs
   RET 4536 Cardiopulmonary Rehabilitation 3 hrs
   RET 3483C Respiratory Clinical Assessment 3 hrs
   RET 3484C Cardiopulmonary Physiology 4 hrs
   RET 4244 Life Support Systems 3 hrs
   RET 3264C Respiratory Care Practice II 5 hrs
   RET 4284 Cardiopulmonary Diagnostics I 3 hrs
   RET 4414C Pulmonary Function Studies 4 hrs
   RET 4244 Life Support Systems 3 hrs
   RET 3274C Cardiac Rhythm Assessment 3 hrs
   RET 4285 Cardiopulmonary Diagnostics II 3 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 (3 hrs)

   The Cardiopulmonary Sciences program allows students in the traditional limited access program 3 credit hours of 3000-4000 level restricted elective courses with the approval of the program director. Any course or courses used to fulfill the restricted elective requirement must be passed with a grade of “C” (2.0) or better to be counted toward total program credit hours.

5. Departmental Exit Requirements (127 hrs)

   Cardiopulmonary Sciences GPA requirement minimum 2.5 overall required for admission and graduation.

6. Electives (none)

7. Foreign Language Requirements (0-8 hrs)

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

   Graduation: none

8. University Minimum Exit Requirements

   A. 2.0 UCF GPA
   B. 60 semester hours earned after CLEP awarded
   C. 48 semester hours of upper division credit completed
   D. 32 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 127 hrs

Related Programs: Radiologic Sciences, Nursing, Physical Therapy, Health Services Administration, Aging Studies Certificate
Related Minors: Health Services Administration, Health Sciences, Molecular Biology & Microbiology, Biology, Chemistry

RRT-Transfer Option Program:
The UCF Cardiopulmonary Sciences program maintains an active RRT-Transfer Option Program open only to Registered Respiratory Therapists (RRT) and registry eligible respiratory therapists (new respiratory care graduates from an accredited respiratory care program). This program allows working respiratory care professionals to attend UCF and gain a baccalaureate degree in Cardiopulmonary Sciences. To facilitate this process, transfer-credit by examination is available for Registered Respiratory Therapists for 26 credits of course work. Credit will be awarded by the Cardiopulmonary Sciences faculty when students demonstrate advanced knowledge and competencies beyond the level required for entry into the profession. This may be demonstrated by successful completion of the two part registry examination given by the National Board for Respiratory Care (NBRC). Only graduates of an accredited institution and program are eligible for the NBRC credentials. Students who successfully complete these requirements will have validated the knowledge and clinical competencies and will be awarded credit in their final semester with grades of "S" recorded in their transcripts. For an application and information regarding the curriculum, please contact: cardioinfo@mail.ucf.edu.

Community College Equivalents

College Algebra (MAC 1105) or (higher level) 3 hrs
Statistics (STA 2023) or (higher level) 3 hrs
College Physics I (PHY 1007L) or (PHY 1053L) 3 hrs
or higher level with labs
General Chemistry with Lab (CHM 1031L) or (higher level) 4 hrs
Biol I with Lab (BSC 1010/L) or (higher level) 4 hrs
General Microbiology (MCB 2010C/L) or (MCB 2004C/L) or (MCB 2020L/L) or (PHA 2751) 4 hrs
Human Anatomy and Physiology I & II (BSC 2093C and 2094C) or (BSC X085 and X086) replaces Anatomy and Physiology courses (ZOO 3733C and PCB 3703C) 8 hrs

Program Academic Learning Compacts

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

Equipment Fee

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

Tentative Course Schedule for Entering Freshmen

Freshman Year

Fall 16  Spring 16
ENC 1101 3  ENC 1102 3
HSC 2000 3  MAC 1114 3
BSC 2010C 4  MCB 2040C 4
CHM1032 and lab 3/1  EUH 2000 or HUM 2210 3
or MAM 2010 3  PSY 2012 or ANT 2000 or SYG 2000 3

Sophomore Year

Fall 14  Spring 13
PHY 2053C 4  PCB 3703C 4
ZOO 3733C 4  SPC 1608 3
EUP 2001 or HUM 3  ECO 2013 or POS 2041 3
2230 or AMH 2020 3  One course: ARH 2050 3

Junior Year

Fall 16  Spring 17
RET 3026C 4  RET 4503 3
Upper division elective 3  RET 4244 3
HSC 4565 3  RET 3174 3
HSC 4158 2  RET 3490C 3
RET 3484C 4  HSC 4159 2

Summer 12
RET 4424C 4  RET 3264C 3
RET 3874 5

Senior Year

Fall 17  Spring 16
RET 4284 3  RET 4285 3
RET 3875 8  RET 4876 8
RET 4715 3  RET 4534 2
RET 4034 3  RET 4536 3

Minor  none

Accreditation
Upon completion of the undergraduate program, the baccalaureate individual will possess basic and advanced level skills and should be prepared to assume future leadership roles within the profession. Graduates will be prepared to become Registered Respiratory Therapists through the National Board for Respiratory Care (NBRC) and obtain licensure by the State of Florida. The Cardiopulmonary Sciences program is accredited by the Committee on Accreditation for Respiratory Care (CoARC) in conjunction with CAAHEP of the American Medical Association.

CHEMISTRY (B.S.)

College of Sciences
Department of Chemistry, CH 117, 407-823-2246
http://www.cos.ucf.edu/chemistry
E-mail: chemstaf@mail.ucf.edu
Contact: Pedro Patino

Admission Requirements 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.
- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major: CHM 2045C, CHM 2046L, CHM 2210, CHM 2211, MAC 2311, MAC 2312, PHY 2046L, and PHY 2049L. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36+3 hrs)
(Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36)

A. Communication Foundations
   1. Select ENC 1101 and ENC 1102 6 hrs
   2. Prefer SPC 1603 3 hrs

B. Cultural and Historical Foundations 9 hrs

C. Mathematical Foundations
   1. Select MAC 2311 4 hrs
   2. Prefer 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 (22 hrs)

CHM 2045C* 4 hrs
CHM 2046 & L 4 hrs
CHM 2210 Organic Chem. I 3 hrs
CHM 22111 Organic Chem. II 3 hrs
MAC 2311 Calculus w/Analytic Geometry I GEP
MAC 2312 Calculus w/Analytic Geometry II 4 hrs
PHY 2048 & L* Physics Engr. & Sci. I & Lab GEP
PHY 2049 & L* Physics Engr. & Sci. I & Lab 4 hrs

*See Transfer Notes for possible substitutes

3. Core requirements (40 hrs)

MAC 2313 Calculus w/ Analytic Geometry III 4 hrs
CHM 2211L Organic Lab Techniques I 2 hrs
CHM 3212L Organic Lab Techniques II 2 hrs
CHM 3120 & L Analytical Chemistry & Lab 4 hrs
CHM 3410 Physical Chemistry I 4 hrs
CHM 3411 Physical Chemistry II 3 hrs
CHM 3411L Physical Chemistry Lab 2 hrs
CHM 4610 Inorganic Chemistry 3 hrs
UCF Degree Programs

CHM 4610L Inorganic Chemistry Lab 2 hrs
CHM 4130 Adv Analytical Lab Technique 3 hrs
CHM 4130L Adv Analytical Chem Lab 2 hrs
CHM 4914C Undergraduate Research Methods 1 hrs
CHM 4912 Undergraduate Research 4 hrs
CHM 4930 Chemistry Seminar 1 hrs
PHY 2048 & L Physics Engr. & Sci. I & Lab CPP
PHY 2049 & L Physics Engr. & Sci. II & Lab CPP
BCH 4053 Biochemistry I 3 hrs
BSC 2010C Biology I GEP

Select one of the following:

STA 1060C Statistics Using Excel GEP
STA 2023 Statistical Methods I

*See Transfer Notes for possible substitutes

4. Upper Division Restricted Electives (6 hrs)

BCH 4054 Concepts in Industrial Chem 3 hrs
CHM 5451C Techniques in Polymer Chemistry 3 hrs
CHM 5450 Polymer Chemistry 3 hrs
CHM 5580 Advanced Physical Chem 3 hrs
CHM 5235 Applied Molec Spectroscopy 3 hrs
CHM 4220 Organic Chem III 3 hrs
CHM 5225 Advanced Organic Chem I 3 hrs
BCH 4054 Biochemistry II 3 hrs

4. Upper Division Restricted Electives (6 hrs)

*See Transfer Notes for possible substitutes

STA 2023 Statistical Methods I

5. Directed Electives (3 hrs)

Course will be selected with the aid of a departmental advisor and approved in advance by the department chair. Course will be selected from the physical, biological, mathematical sciences and/or related disciplines and normally will be at the 3000/4000 level. Co-op courses cannot be used in the major.

6. Departmental Exit Requirements

- Complete a minimum of 24 Chemistry credits at UCF
- Achieve at least a "C" GPA (2.0) in all UCF Chemistry courses and an overall 2.0 GPA in all Chemistry courses used to satisfy this requirement
- Grades earned in CHM 4914C, CHM 4930 and CHM 4912 will not be applied in the determination of the Chemistry GPA
- Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the Department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
- Computer Competency met by STA 1060C or by departmental assessment
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF
- Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements (0-8 hrs)

Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation: none

8. Electives (variable)

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

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Forensic Science, Molecular and, Microbiology, Science Education

Relationships: Chemistry, Molecular and Microbiology

Transfer Notes:
- Lower Division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
- PHY 2048 & Lab: may use PHY 2053C. However PHY 2048 & Lab is required and will still have to be taken.
- PHY 2049* & Lab: may use PHY 2054C. However PHY 2049 & Lab is required and will still have to be taken.
- Physics: CPP requirements may permit substitution by Organic Chemistry (CHM 2210 & 2211). However, both Physics courses and Organic Chemistry classes are required for graduation.

Program Academic Learning Compacts

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

Equipment Fee

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

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

Summer
Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year

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<tbody>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
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<td>CHM 5225</td>
<td>Advanced Organic Chem I</td>
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<td>CHM 4220</td>
<td>Organic Chem III</td>
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<td>CHM 5235</td>
<td>Applied Molec Spectroscopy</td>
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<td>CHM 5580</td>
<td>Advanced Physical Chem</td>
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<tr>
<td>CHM 5450</td>
<td>Polymer Chemistry</td>
</tr>
<tr>
<td>CHM 5451C</td>
<td>Techniques in Polymer Chemistry</td>
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<td>CHS 4200</td>
<td>Concepts in Industrial Chem</td>
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<td>CHS 4615</td>
<td>Environmental Chem</td>
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Sophomore Year

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<tr>
<td>PHY 2048</td>
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<td>CHM 3410L</td>
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Junior Year

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<td>Organic L Tech II</td>
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<td>CHM 3410</td>
<td>Physical Chem I</td>
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<td>MAC 2313</td>
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<td>CHM 4054*</td>
<td>req# 4-ResEl</td>
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Senior Year

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<tr>
<td>HUM 2210*</td>
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<td>CHM 4914C</td>
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<td>CHM 4220*</td>
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<td>Elective* Check restrictions</td>
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<td>CHM 4912</td>
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CINEMA STUDIES TRACK in FILM

See Film - Cinema Studies Track
CIVIL ENGINEERING (B.S.C.E.)

College of Engineering and Computer Science
Civil, Environmental, and Construction Engineering Department (CECE)
ENG2 211, 407-823-2841; Fax: 407-823-3315
http://www.cece.ucf.edu
Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl,
E-mail: cpohl@mail.ucf.edu; Associate Chair and Civil Program
Director: F. Necati Catbas, Ph.D., E-mail: catbas@mail.ucf.edu

Admission Requirements: none

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

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

A. Communication Foundations 9 hrs
   1. ENC 1101 & ENC 1102
   2. Prefer SPC 1600

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

C. Mathematical Foundations 7 hrs
   1. Select MAC 2311 (PR: MAC 1140 and MAC 1141)
   2. Select STA 3023 (PR: MAC 2312)

D. Social Foundations 6 hrs
   1. Select ECO 2013 or ECO 2023.

E. Science Foundations 7 hrs
   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 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 1600

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

   C. Mathematical Foundations 7 hrs
      1. Select MAC 2311 (PR: MAC 1140 and MAC 1141)
      2. Select STA 3023 (PR: MAC 2312)

   D. Social Foundations 6 hrs
      1. Select ECO 2013 or ECO 2023.

   E. Science Foundations 7 hrs
      2. Prefer GEO 1200

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 require-
ments. A "C" (2.0) or better is required for those courses in section 3.
marked with an asterisk (*).

EGN 1006 Intro to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts & Methods 1 hr

CHM 2045C Chemistry Fundamentals I 4 hrs
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 3501C Civil Engineering Materials 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
CCE 4003 Intro to the Construction Industry 3 hrs
ENV 3001 Intro to Environmental Engineering 3 hrs
STA 3032 Probability & Statistics for Engineers GEP
CEG 4011C Geotechnical Engineering I 4 hrs
CES 4100C Structural Analysis I 4 hrs
CES 4605 Steel Structures 3 hrs
or CES 4702 Reinforced Concrete Structures
CWR 3201 Engineering Fluid Mechanics 3 hrs
CWR 4101C Hydrology 3 hrs
CWR 4203C Hydraulics 3 hrs
ENV 4561 Environment Engng-Process Design 4 hrs
SUR 2101C Surveying 3 hrs
TTE 4004 Transportation Engineering 4 hrs

4. Approved Technical Electives (3 hrs)

Technical electives are available in the BSCE program to address
specific student interests in a variety of technical areas. Students
should consult the CECE Web site and their assigned academic
advisor for a list of the approved technical electives and the terms
when specific courses of this type are to be offered.

5. Departmental Graduation Requirements (6 hrs)

Approved CE Project Design Course I 3 hrs
Approved CE Project Design Course II 3 hrs

Civil engineering students must take the Fundamentals Exam during their
Senior year.

Earn a minimum graduating GPA of 2.25 in the major courses from item 3.
above, the technical electives in item 4. above, and the approved CE project
design courses.

6. Foreign Language Requirements (0-8 hrs)

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

Graduation: none

7. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in
  residence at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP,
  Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the
  CLAST, and nine semester hours of Summer credit
  (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Construction Engineering, Environmental
Engineering

Related Minors: Mathematics, Engineering Leadership.

Transfer Notes:
- Courses taken from Community Colleges do not substitute for
  Upper Division Courses unless part of an articulated pre-engi-
  neering degree program.
- Courses transferred must be formally evaluated for equivalency
  credit. The student must provide all supporting information with
  his/her petition for this evaluation.

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

Equipment Fee
- Full-time Student .............................................$90 per term
- Part-time Student .............................................$45 per term
UCF Degree Programs

Tentative Course Schedule for Entering Freshmen
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Civil Engineering - 128 semester hours required

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<tr>
<th>FIRST YEAR</th>
<th>Fall</th>
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<td>*ENC 1101 English Comp I</td>
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<td>*ENC 1102 English Comp II</td>
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<td>*MAC 2311 Calc w/Analy Geo I</td>
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<td>*MAC 2312 Calc w/Analy Geo II</td>
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<td>*ANT IPSYSYVG</td>
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<td>*PHY 2048L Phys Engr I w/lab</td>
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<td>or ECO 2023 Microeconomics</td>
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<td>*MAP 2302 Diff Equations</td>
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<td>*CHM 2046 Chemistry Funds II</td>
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<td>or ECO 2023 Microeconomics</td>
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<td>EGN 3331 Mech of Materials</td>
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<td>ENV 3001 Intro to Environ Eng</td>
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<td>CWR 4101C Hydrology</td>
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<tr>
<td>CCE 4003 Intro to Const Indus</td>
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<td>CWR 4203C Hydraulics</td>
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<td>*SCP 1603 Tech Presentations</td>
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<td>EGN 3373 Pin Elec Eng</td>
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<td>CES 4100C Structural Analysis I</td>
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<td>STA 3032 Proj/Stats for Engrs</td>
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<td>TTE 4004 Transportation Eng</td>
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<td>CES 465 Steel Structures</td>
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<td>or Technical Elective</td>
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<tr>
<td>Approved Project Design Course</td>
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<td>EGN 3901C Civil Engrg Materials</td>
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<td>EGN 3343 Thermodynamics</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 the Catalog for further information.
2. Either CES 4605 Steel Structures or CES 4702 Reinforced Concrete Structures is required for all students.
3. EGN 106C and EGN 107C are required courses for incoming freshmen only.
4. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the area 4. Approved Technical Electives.
5. Students must earn a minimum grade of “C” (2.0) in EGN 3310 or its equivalent before registering for subsequent courses.
6. Students must earn a minimum grade of “C” (2.0) in EGN 3331 or its equivalent before registering for subsequent courses.

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

COMMUNICATION SCIENCES AND DISORDERS (B.A., B.S.)

College of Health and Public Affairs
Department of Communication Sciences & Disorders
HPA2 101
http://www.cohpa.ucf.edu/comdis/
Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798,
E-mail: j schwart@mail.ucf.edu

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
- The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
- Students must earn at least a “C-” (1.75) in each required course, restricted elective, and B.A./B.S. elective
- Communication Sciences and Disorders is an unrestricted major; however, negative criminal background checks may result in the inability to complete coursework in this major

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations: 9 hrs
   - B. Cultural Historical Foundations: 9 hrs
   - C. Mathematical Foundations: 6 hrs
   - Prefer MGF 1106 Finite Math or MGF 1107
   - Select STA 2014C or STA 2023: 6 hrs
   - D. Social Foundations: 6 hrs
   - Select PSY 2012 General Psychology: 3 hrs
   - Select one of the listed choices (ECO 2013, ECO 2023): 3 hrs
   - E. Science Foundations: 6 hrs
   - One biological science (Prefer BSC 1005): 3 hrs
   - Select one physical science

2. Common Program Prerequisites: none

3. Core Requirements (60 hrs)

   - DEP 2004: Developmental Psychology: 3 hrs
   - SPA 3471: Communication Disorders in Literature and Media: 3 hrs
   - SPA 3101: Physiological Bases of Speech and Hearing: 3 hrs
   - SPA 3112: Basic Phonetics: 3 hrs
   - SPA 3112L: Basic Phonetics Lab: 1 hr
   - LIN 3716: Language Development: Birth Through 8 Years: 3 hrs
   - STA 3011: Speech Science I: Speech Production: 3 hrs
   - STA 3011L: Speech Production Lab: 1 hr
   - LIN 3717: Language Development: 9-18 Years: 3 hrs
   - SPA 3104: Neural Bases of Communication: 3 hrs
   - SPA 3123: Speech Science II: Speech Perception: 3 hrs
   - SPA 3123L: Speech Perception Lab: 1 hr
   - SPA 4476: Speech Disorders Across the Lifespan: 3 hrs
   - SPA 4032: Audiology: 3 hrs
   - SPA 4478: Multicultural Aspects: Communication Disorders and Differences: 3 hrs
   - LIN 4711: Language Analysis: 3 hrs
   - LIN 4711L: Language Analysis Lab: 1 hr
   - SPA 4400: Language Disorders Across the Lifespan: 3 hrs
   - SPA 4321: Audiologic Rehabilitation: 3 hrs
   - EAB 3703: Principles of Behavior Modification or 3 hrs
   - EEX 4601: Introduction to Behavior Management or 3 hrs
   - EEC 4604: Guidance of Young Children or 3 hrs
   - EDF 3303: Learning Environments and Guidance for Young Children or 3 hrs
   - SPA 3472: Guidance of Young Children with Communication Disorders: 3 hrs
   - SPA 4056C*: Clinical Methods in Communication Disorders: 5 hrs
   - SPA 4051L: Undergraduate Clinical Practicum or 3 hrs
   - SPA 4948: Community Internship or 3 hrs

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

4. Statistics Requirement (3 hrs)
   - Students have two options for completing this requirement:
     - Option 1: STA 2023: Statistical Methods I and 3 hrs
     - STA 4163: Statistical Methods II 3 hrs
     - Option 2: STA 2014C: Principles of Statistics (GEP) or 3 hrs
     - STA 2023: Statistical Methods I and 3 hrs
     - SPA 4803: Research Methods in Communication Sciences: 3 hrs

5. Upper Division Restricted Electives (6 hrs)
An additional six credit hours of upper division course work in Communication Sciences and Disorders selected in consultation with an academic advisor.
6. Electives (6 hrs min)
B.A./B.S. Option.
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.
- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

7. Foreign Language Requirements
Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.
Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can also be used to fulfill this requirement.

8. Departmental Exit Requirements
Students must achieve a minimum grade of "C-" (1.75) in all required courses, restricted electives, and B.A./B.S. electives in the department.
Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

9. University Minimum Exit Requirements (120 hrs)
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in 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, Physical Therapy, Psychology, Social Work, Exceptional Student Education, Early Childhood Education
Related Minors: American Sign Language and Deaf Studies, Exceptional Education, Early Childhood Education, Aging Studies, Health Services Administration, Interpersonal Communication, Linguistics, Psychology

Transfer Notes:
- "D" (1.0) grades are not accepted
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement

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

Equipment Fee
- Full-time Student: $35 per term
- Part-time Student: $17.50 per term

Tentative Course Schedule for Entering Freshmen
Freshman Year
Fall 15 hrs  Spring 15 hrs
ENC 1101 3  ENC 1102 3
PSY 2012 3  PSC 1121 or PHY 2053C 3
BSC 1005 3  ECO 2013 or ECO 2023 3
One Course: ARH 2050 or
- ARH 2051, or MUL 2010, or
- THE 2000, or REL 2300, or
- PHI 2010, or LIT 2110, or LIT 2120, or
- FIL 1000
- or FIL 1000
Selective 3

Sophomore Year
Fall 15 hrs  Spring 16/17 hrs
SPE 1608 3  SPA 3112 and SPA 3122L 4
EUN 2000, or HUM 2230 or AMH 2020 3  Restricted Elective 3
MGF 1106 or MAC 1105 3  EAB 3703, or EDF 3303 3
Elec 3  or EEX 4601, or EEC 4604, or
SPA 3471 3  or SPA 3472 3
or STA 2014C or STA 2023 3  Foreign Lang. I (B.A.)* or
or 3/4 hrs 3/4
- Health Sciences (B.S.) elective

Summer 3/4 hrs 3/4
- Foreign Lang. II (B.A.)* or
- Health Sciences (B.S.) elective

Junior Year
Fall 13 hrs  Spring 13 hrs
LIN 3716 3  LIN 3717 3
SPA 3011 and SPA 3011L 3  SPA 3123 and SPA 3123L 4
SPA 3101 3  SPA 4476 3
STA 4163 or SPA 4803 3  SPA 3104 3

Senior Year
Fall 15 hrs  Spring 15 hrs
SPA 4032 3  SPA 4321 3
SPA 4400 3  SPA 4501** or SPA 4948 3
LIN 4711 and 4711L 4  Restricted Elective** 3
SPA 4056C 5  SPA 4478 3
or  Elective 3

*Students taking American Sign Language (ASL) to satisfy BA foreign language requirement must complete three semesters of ASL.
**Students must apply and be selected to enroll in SPA 4501L.
***Consult department for list of restricted electives.

Note: Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master's degree in Communication Sciences and Disorders. Minimum requirements for entry into the graduate program typically include at least a 3.0 GPA in the last 60 hours of undergraduate course work in the major, a combined score of at least 1000 on the GRE, and at least 400 on the verbal section of the GRE. Entry level positions to provide speech and language services are available in some Florida school districts. Under the 2/5 Rule, individuals employed in these positions have two years from the date of employment to enroll in a master’s program in Communication Sciences and Disorders and five years to complete the degree.

COMPUTER ENGINEERING (B.S.P.E.)
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr., Rm 246, 407-823-2787; Fax: 407-823-5419
http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Contacts: Dr. Samuel Richie, HEC 245E; Charlese Hilton-Brown, HEC 245C
Admission Requirements: none
Degree Requirements: Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program for (36+2 hrs)
Engineering Students
The UCF General Education Program (GEP) is described in the Catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A. Communication Foundations 9 hrs
1. ENC 1101 & ENC 1102
2. Prefer SPC 1603

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

C. Mathematical Foundations 7 hrs
1. Select MAC 2311 (PR: MAC 1114 and MAC 1140)
2. Select STA 2023 (PR: MAC 2312)
University of Central Florida

UCF Degree Programs

D. Social Foundations
1. Social Foundations
   - 6 hrs
   - 1. Prefer ECO 2013 or ECO 2023
   - 2. ANT 2000, PSY 212, or SYG 2000

E. Science Foundations
- 7 hrs
- 1. Select PHY 2048/2048L (PR: MAC 2311)
- 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP’s) (19 hrs)
These courses are specifically required by all engineering students at the Florida State Postsecondary System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in ECE major courses, a 2.0 (C or better) in each course is required for those courses in section 2, marked with an asterisk (*).

3. Courses Required for the Engineering Core (8 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

4. Courses Required for the Major (48 hrs)

5. Approved Technical Electives (9 hrs)

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 Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 128 hrs

Related Programs:
- Computer Science, Electrical Engineering, Electrical Engineering Technology (Computer Systems Concentration)
- Related Minors: Information Technology, Computer Science, Intelligent Robotics Systems, Engineering Leadership

Transfer Notes:
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation

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

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

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

Tentative Course Schedule for Entering Freshmen
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

Second Year

Third Year

Fourth Year

Underneath it are the tables that list the courses, along with the credit hours, and the terms in which they are offered.
Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
2. Assumes knowledge of a higher level programming language (C preferred).
3. EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 5: Approved Technical Electives.

Accelerated BS/MS Degree Program
The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of the Catalog for more information.

COMPUTER SCIENCE (B.S.)
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science

Foundation Examination
Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem-solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science Web site for more information about the foundation exam.

Degree Requirements
- Students must earn at least a 2.0 in each course in 2-5
- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from Computer Science at UCF
- 18 of the 24 Residency hours must be at the 4000-5000 level

1. UCF General Education Program (36+3 hrs)
   A. Communication Foundations
      1. ENC 1101 & ENC 1102
      2. Prefer SPC 1603
   B. Cultural and Historical Foundations
   C. Mathematical Foundations
      1. Select MAC 2311 (PR: MAC 1114 or MAC 1140)
      2. Select STA 2023
   D. Social Foundations
   E. Science Foundations
      1. Select PHY 2048 & L (PR:MAC 2311)
      2. Prefer BSC 2010C & L

2. Common Program Prerequisites (15 hrs)
   COP 3223 C Programming
   MAC 2311 Calculus with Analytic Geom I
   MAC 2312 Calculus with Analytic Geom II
   PHYS 2048 & L Physics for Engr. & Sci. I & Lab
   PHYS 2049 & L Physics for Engr. & Sci. II & Lab
   Select two science courses designed for majors
   Examples of acceptable science courses include:
   BSC 2010C Biology I
   BSC 2011C Biology II
   CHM 2045C Chem. Fund I
   CHM 2046 Chem. Fund II
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Basic Core Requirements (25 hrs)
   COP 3320 Intro to OO Programming
   COP 3502C Computer Science I
   COP 3503C Computer Science II
   STA 2023 Statistical Methods I
   ENC 3241 Technical Report Writing

4. Advanced Core (20 hrs)
   Students must maintain at least a 2.5 GPA in the following courses
   Only the highest grade is used in the calculation.
   COP 4331C Processes for OO Software Development
   EEL 4768C Comp. Architecture
   COP 4210 Discrete Comp Structures
   COP 4020 Programming Languages I
   COP 4600 Operating Systems
   COP 4810 Topics in Computer Science

5. Restricted Electives (15 hrs)
   4000-5000 level Computer Science courses
   Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

6. School Exit Requirements
   - Complete an exit survey
   - Computer Competency met by completion of major

7. Foreign Language Requirements (0-4 hrs)
   Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation: Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. Electives (variable)
   Select primarily from upper level courses, with the student’s advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements
   A 2.0 UCF GPA
   No semester hours earned after CLEP awarded
   No 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, Interdisciplinary Informatics Technology

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

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

Equipment Fee
- Full-time Student ...........................................$90 per term
- Part-time Student ...........................................$45 per term
UCF Degree Programs

CONSTRUCTION ENGINEERING (B.S.Con.E.)

College of Engineering and Computer Science
Civil, Environmental, and Construction Engineering Department (CECE)
ENG2 211, 407-823 2841; Fax: 407-823-3315
http://www.cece.ucf.edu
Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl, E-mail: cpohl@mail.ucf.edu; Construction Program Director: Amr A. Oloufa, Ph.D., P.E., E-mail: aoloufa@mail.ucf.edu

Admission Requirements: none

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

1. UCF General Education Program for Engineering Students (36+2 hrs)
The UCF General Education Program (GEP) is described in the Catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A. Communication Foundations 9 hrs
1. ENC 1101 & ENC 1102
2. Prefer SPH 1603

B. Cultural and Historical Foundations 9 hrs
1. Select two courses from Historical Foundations
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, or LIT 2210

C. Mathematical Foundations 7 hrs
1. Select MAC 2311 (PR: MAC 1144 and MAC 1140)
2. Select STA 3023 (PR: MAC 2312)

D. Social Foundations 6 hrs
1. Select ECO 1103 or ECO 2033.

E. Science Foundations 7 hrs
1. Select PHY 2048/48L (PR: MAC 2311)
2. Prefer GEO 1200

2. Common Program Prerequisites (CPP's) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Sciences courses.

CHM 2045C/45L Chemistry Fundamentals I with Lab or CHS 1440 Fund of Chemistry for Engineers or CHM 2040C and CHM 2041C
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 GEP
PHY 2048/48L 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

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

3. Courses Required for the Major (62 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the technical elective courses listed in 4. below and with the senior design courses listed in 5. below.

Independent study courses generally do not satisfy major requirements. A “C” (2.0) or better is required for those courses in section 3. marked with an asterisk (*).

EGR 1000 Intro to the Engineering Profession 1 hr
EGR 1007C Engineering Concepts & Methods 1 hr
CHM 2045C Chemistry Fundamentals I GEP
CHM 2046 Chemistry Fundamentals II GEP
EGN 3310* Engineering Analysis - Statics 3 hrs
EGN 3311 Engineering Analysis - Dynamics 3 hrs
EGN 3311* Mechanics of Materials 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
ENV 3001 Intro to Environmental Engineering 3 hrs
STA 3023 Probability & Statistics for Engineers GEP
CCE 4113 Mech & Elec Systems for Buildings 4 hrs
CCE 4402 Construction Equip & Productivity 3 hrs
CEG 3501C Civil Engineering Materials 3 hrs
CCE 4004 Construction Methods 3 hrs
CCE 4034 Construction Estimating & Scheduling 3 hrs
CCE 4003 Intro to the Construction Industry 3 hrs
CEG 4011C Geotechnical Engineering I 4 hrs
CES 4100C Structural Analysis I 4 hrs
CCE 4702 Reinforced Concrete Structures 3 hrs
or CES 4605 Steel Structures GEP
CWR 3201 Engineering Fluid Mechanics 3 hrs
ACC 2071 Managerial Accounting 3 hrs
SUR 2101C Surveying & Additional Credits 3 hrs
TTE 4004 Transportation Engineering 4 hrs

4. Approved Engineering Science Electives (3 hrs)
Engineering Science electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students are encouraged to take EGN 3343 (Thermodynamics), EGN 3373 (Principles of Elect Engr), CWR 4101C (Hydrology), or CWR 4203C (Hydraulics) as the technical elective. Other courses from the list of approved technical electives may be used with the approval of the department advisor. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

5. Departmental Graduation Requirements (6 hrs)
CCE 4810C Construction Engr. Design Project 3 hrs
CEG 4801C Geotechnical Engr. Design 3 hrs
6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. University Minimum Graduation Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Civil Engineering, Environmental Engineering
Related Minors: Mathematics, Engineering Leadership

Transfer Notes:
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

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

Equipment Fee
- Full-time Student: $90 per term
- Part-time Student: $45 per term

Tentative Course Schedule for Entering Freshmen
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Construction Engineering – 128 semester hours required

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>Fall</th>
<th>14 hrs</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>*ENC 1101 English Comp I</td>
<td>3</td>
<td>*ENC 1102 English Comp II</td>
<td>3</td>
</tr>
<tr>
<td>*MAC 2311 Calc w/Analy Geo I</td>
<td>4</td>
<td>*MAC 2312 Calc w/Analy Geo II</td>
<td>4</td>
</tr>
<tr>
<td>*ANT/PSYSYG</td>
<td>4</td>
<td>*PHY 2048L Phys Engr I w/lab</td>
<td>4</td>
</tr>
<tr>
<td>*ECO 2013 Macroeconomics</td>
<td>3</td>
<td>*GEO GLYBSC</td>
<td>3</td>
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<tr>
<td>or ECO 2023 Microeconomics</td>
<td></td>
<td>EGN 1007C Eng Con &amp; Meth</td>
<td>1</td>
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<tr>
<td>EGN 1006C Intro To Eng Prof</td>
<td>1</td>
<td></td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th>SECOND YEAR</th>
<th>Fall</th>
<th>16 hrs</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>*MAC 2313 Calc w/Analy Geo III</td>
<td>4</td>
<td>*MAP 2002 Diff Equations</td>
<td>3</td>
</tr>
<tr>
<td>*CHM 2045L Chem Funds I</td>
<td>4</td>
<td>*CHM 2046 Chemistry Funds II</td>
<td>3</td>
</tr>
<tr>
<td>*HUM/AMH/HEUH - I</td>
<td>3</td>
<td>*PHY 2048L Phys Engr II w/lab</td>
<td>4</td>
</tr>
<tr>
<td>EGN 3110 Engr Anal - Statics</td>
<td>3</td>
<td>*HUM/AMH/HEUH - II</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3613 Eng Econ Anal</td>
<td>3</td>
<td>EGN 3301 Mech of Materials</td>
<td>3</td>
</tr>
<tr>
<td>Summer</td>
<td>9 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*SPC 1603 Tech Presentations</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>STA 3302 Prob/Stats Engineers</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENV 3001 Intro to Environ Eng</td>
<td>3</td>
<td></td>
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<table>
<thead>
<tr>
<th>THIRD YEAR</th>
<th>Fall</th>
<th>16 hrs</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3321 Engr Anal-Dynamics</td>
<td>3</td>
<td>Engineering Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>CCE 4003 Intro Constr. Industry</td>
<td>3</td>
<td>CES 4702 Reinforced Concrete</td>
<td>3</td>
</tr>
<tr>
<td>CES 4100C Structural Analysis</td>
<td>4</td>
<td>or CES 4605 Steel Structures</td>
<td>3</td>
</tr>
<tr>
<td>*Cultural/Historical Elective</td>
<td>3</td>
<td>CCE 4004 Construct Methods</td>
<td>3</td>
</tr>
<tr>
<td>CEN 3501C Civil Engg Materials</td>
<td>3</td>
<td>SUR 2101C Surveying</td>
<td>3</td>
</tr>
<tr>
<td>TTE 4004 Transportation Eng</td>
<td>3</td>
<td>CWR 3201 Eng Fluid Mechanics</td>
<td>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 the Catalog for further information.
2. Engineering Science Elective may be satisfied by taking either EGN 3343, EGN 3373, CWR 4101C or CWR 4203C; other courses must be approved by the Program Director.
3. Either CES 4605 Steel Structures or CES 4702 Reinforced Concrete Structures is required for all students.
4. EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 4. Approved Technical Electives.
5. Students must earn a minimum grade of “C” (2.0) in EGN 3310 or its equivalent and EGN 3311 or its equivalent before registering for subsequent courses.

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

**CRIMINAL JUSTICE (B.A./B.S.)**
**College of Health and Public Affairs**
**Department of Criminal Justice and Legal Studies**
HPA 311, 407-823-2603
http://www.coehpa.ucf.edu/crim/just/
E-mail: cjadvise@mail.ucf.edu

**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.
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course.

**1. UCF General Education Program** (36 hrs)
- A. Communication Foundations 9 hrs
- B. Cultural Historical Foundations 9 hrs
- C. Mathematical Foundations 6 hrs
- Select MGF 1106 Finite Math or MGF 1107 6 hrs
- Select CGS 1060C, STA 1060C, or STA 2014C 6 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

**2. Common Program Prerequisites**

**3. Core Requirements** (18 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CCJ 3510 Prosecution and Adjudication 3 hrs
- CCJ 3010 Corrections and Penology 3 hrs
- CJE 4014 Police and Society 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
UCF Degree Programs

4. Upper Division Restricted Electives (42 hrs)
   - 27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours of directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   - 15 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by completing a minor from another program approved by the department with a minimum of 15 semester hours credit.

5. Upper Division Unrestricted Electives none

6. Departmental Exit Requirements (120 hrs)
   Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice Department to obtain the UCF degree in Criminal Justice.

7. Foreign Language Requirements
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division course work completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Legal Studies
Related Minors: Legal Studies, Public Administration, Psychology.
Transfer Notes: "D" (1.0) grades are not accepted.

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

Tentative Course Schedule for Entering Freshmen

<table>
<thead>
<tr>
<th>Fresherman Year</th>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
<td></td>
<td>ENC 1102</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1106 or MAC 1105</td>
<td>3</td>
<td></td>
<td>GSS 1000C</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012 or SYG 2000 or ANT2000</td>
<td>3</td>
<td></td>
<td>PSC 1121 or CHM 1020</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2000 or HUM 2210</td>
<td>3</td>
<td></td>
<td>PHI 2010 or MUL 2010</td>
<td>3</td>
</tr>
<tr>
<td>or ANH 2010</td>
<td></td>
<td></td>
<td>ARH 2050, THE 2000,</td>
<td>3</td>
</tr>
<tr>
<td>PAP 2102</td>
<td>2</td>
<td></td>
<td>REL 2300, PHI 2010, LIT 2110,</td>
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<tr>
<td>or LIT 2120</td>
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<td></td>
<td>or LIT 2120</td>
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<thead>
<tr>
<th>Sophomore Year</th>
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<th>15 hrs</th>
<th>Spring</th>
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<tbody>
<tr>
<td>SPC 1608</td>
<td>3</td>
<td></td>
<td>CCJ 3024</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2001 or HUM 2230 or ANH 2020</td>
<td>3</td>
<td></td>
<td>CCJ 3014</td>
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<tr>
<td>BSC 1005 or MCB1310</td>
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<td></td>
<td>CCJ Elective</td>
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</tr>
<tr>
<td>GLY 1030 or PSC 1121 or ANT 2511</td>
<td>3</td>
<td></td>
<td>Supporting Elective</td>
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</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POS 2041 or ECO 2013</td>
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<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Fall</th>
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<th>Spring</th>
<th>15/16 hrs</th>
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<tbody>
<tr>
<td>CJL 3510</td>
<td>3</td>
<td></td>
<td>CJJE 4014</td>
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<tr>
<td>JSC 3510</td>
<td>3</td>
<td></td>
<td>CCJ 4701</td>
<td>3</td>
</tr>
<tr>
<td>CJ Elective</td>
<td>3</td>
<td></td>
<td>CCJ Elective</td>
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<tr>
<td>Supporting Elective/Foreign Language</td>
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<td></td>
<td>Supporting Elective/Foreign Lang.</td>
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<tr>
<td>CJ Elective</td>
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<td></td>
<td>CCJ Elective</td>
<td>3</td>
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Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>12/15 hrs</th>
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<tr>
<td>CJ Elective</td>
<td>3</td>
<td>CCJ Internship or 3/6</td>
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<tr>
<td>CJ Elective</td>
<td>3</td>
<td>CJ Elective</td>
<td>3</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3</td>
<td>Supporting Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>Elective (if necessary)</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>Elective (if necessary)</td>
<td>3</td>
</tr>
</tbody>
</table>

CRIMINAL JUSTICE (B.S.)
A.S. to B.S. TRACK
Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

DIGITAL MEDIA (B.A.)
College of Arts and Humanities
Digital Media, 12461 Research Parkway, 500 OTC
http://www.dm.ucf.edu
Interim Chair: Dr. José Maunez-Cuadra, 407-823-6100

The UCF Digital Media Program allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to:
- Provide a solid foundation in techniques and theory in one focused area of competence.
- Provide a broad understanding of related disciplines including arts, humanities, and technology.
- Provide extended experience in working in multidisciplinary teams on realistic problems.
- Recognize that there are many combinations of courses which meet the needs of individual students. Three specializations — game design, web design, and visual language — lead to a Bachelor of Arts degree.

Admission Requirements
- None

Degree Requirements
- UCF students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the Department of Digital Media at UCF.
- Co-op or internship credits are not permitted in this major without prior, written permission.
- Students should see the Department of Digital Media’s advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
      - Select from approved list of courses
   B. Cultural and Historical Foundations 9 hrs
      - Select ARH 2050 or ARH 2051 3 hrs
      - Select two additional courses from approved list 6 hrs
   C. Mathematical Foundations 6 hrs
      - Select MAC 1105 College Algebra and 3 hrs
      - Select COP 2500C Concepts in Computer Science 3 hrs
   D. Social Foundations 6 hrs
      - Select from approved list of courses 6 hrs
      - Select from approved list of courses

2. Common Program Prerequisites (6 hrs)
   - ART 2203C Drawing Fundamentals I 3 hrs
   - ART 2201C Design Fundamentals – Two Dimensional 3 hrs
   - ARH 2050 History of Western Art I and ARH 2051 History of Western Art II GEP
   - COP 2500C Concepts in Computer Science GEP
   - MAC 100S College Algebra GEP
3. Digital Media Core (24 hrs)

Note: Admission to all courses after DIG 2000 is dependent on the student's achieving at least a 'B' (3.0) in DIG 2000.

DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 210C Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs
DIG 3024 Digital Cultures & Narrative 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 3480C Computer as a Medium 3 hrs
DIG 4780C Modeling For-real-time Systems I 3 hrs

4. Specializations. Choose one of the following two areas:

4.1 Game Design: (42 hrs)

Note: Admission to all courses after DIG 4713 is dependent on the student’s achieving at least a ‘A’ (4.0) in DIG 4713.

4.1.A: Game Design - Basic Concentration: (24 hrs)

COP 3223 Introduction to Programming with C 3 hrs
COP 3330 Object Oriented Programming 3 hrs
DIG 4713 Game Design 3 hrs
DIG 4715C Game Production 3 hrs
DIG 4720C Casual Game Production 3 hrs
DIG 4503C Media for E-Commerce I 3 hrs
FIL 3720C Introduction to Animation 3 hrs
GRA 3151C Illustration 3 hrs

4.1.B: Game Design – Restricted Electives: (18 hrs)

Complete 18 hours of credits from the following areas:

Note: DIG 4725C must be taken at least two times. It is repeatable for credit.

DIG 4725C Game Design Workshop 6 hrs

12 additional hrs of 3000 or 4000 level courses from ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media.

4.2 Web Design: (42 hrs)

4.2.A: Web Design – Basic Concentration: (24 hrs)

DIG 3134 Media Software Design 3 hrs
DIG 3563 Information Management & Entrepreneurship 3 hrs
DIG 3716C Internet Interaction 3 hrs
DIG 3811 User Centered Design 3 hrs
DIG 4630C Media Business Practices 3 hrs
DIG 4503C Media for E-Commerce I 3 hrs
GRA 3801C Intermediate Computer Graphic Design 3 hrs

4.2.B: Web Design – Restricted Electives: (18 hrs)

Complete 18 hours of credits from the following areas:

Note: DIG 4104C must be taken at least two times. It is repeatable for credit.

DIG 4104C Web Design Workshop 6 hrs

12 additional hrs of 3000 or 4000 level courses from ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media.

4.3. Visual Language: (46 hrs)

4.3.A: Visual Language Core: (15 hrs)

DIG 3951 Portfolio Review 3 hrs
ART 3643C Digital Effects & Compositing 3 hrs
DIG 4325C Look Modeling Workshop 3 hrs
DIG 4326C Geometric Modeling Workshop 3 hrs
FIL 3720C Introduction to Animation 3 hrs
FIL 3734C Intermediate Animation 3 hrs

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

DIG 3355C Artificial Environments & Effects 3 hrs
DIG 3433C Visual Storytelling & Visual Development 3 hrs
DIG 4303C Artificial Environments & Effects Workshop 3 hrs
DIG 4206C New Imagery in Motion 3 hrs
DIG 4394C Motion Graphics Advanced Compositing 3 hrs
DIG 4434C Narrative Technology in the Moving Image 3 hrs
DIG 4468C Visual Language of the Moving Image I 3 hrs
DIG 4451C Visual Story & Visual Development Workshop 3 hrs

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

Complete 7 hours of credits from the following areas:

Note: DIG 4104C must be taken at least two times. It is repeatable for credit.

ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media and Applied Arts.

4. Specializations. Choose one of the following two areas:

5. Foreign Language Requirements (0-8 hrs)

BA requirements:

Admission: Met by graduation requirement.

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

6. Unrestricted Electives (Varies with Track)

Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by Digital Media.

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Total Semester Hours Required: 120 hrs

Related Programs: Art, Computer Science, English, Film, Music
Related Minors: Art-Studio, Computer Information Technology, Computer Science, English-Technical Writing, Film, Music

Transfer Notes:

- Grades less than “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts

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

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

Equipment Fee

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

EARLY CHILDHOOD EDUCATION (B.S.)

PRE-KINDERGARTEN – PRIMARY (PK-3)

College of Education

Department of Child, Family and Community Sciences

ED 209

http://education.ucf.edu/ece/

E-mail: ece@mail.ucf.edu

Program Coordinator: Dr. Judy Levin, ED 122L, 407-823-4615; E-mail: jlevin@mail.ucf.edu

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete education common program prerequisite courses with a minimum letter grade of “C” (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements

- Students must earn a “C” (2.0) or better in each required Early Childhood Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Passing score on ALL three sections of the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites.
UCF Degree Programs

- FTCE General Knowledge Test (GKT) — (if CLAST was used for admission) passing scores on the GKT is strongly recommended during semester 1 of the junior year and required at the time of application to EEC 3930C Seminar Course.
- FTCE Professional Education Test (PED) and Subject Area Examination (SAE – Prekindergarten/Primary PK-3) – passing scores strongly recommended prior to application for Internship.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (36 hrs)

A. Communication Foundation (9 hrs)
1. ENC 1101 English Composition I 3 hrs
2. ENC 1102 English Composition II 3 hrs
3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
B. Cultural-Historical Foundation (9 hrs)
1. General Education Program elective from section B1. 3 hrs
2. General Education Program elective from section B2: Prefer REL 2300 World Religions, or PHI 210 Introductions to Philosophy, or LIT 2110 World Literature I, or LIT 2120 World Literature II 3 hrs
3. General Education Program elective: Prefer second course from GEP section B1. 3 hrs
C. Mathematical Foundation (6 hrs)
1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs
2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs
D. Social Foundation (6 hrs)
1. Prefer: POS 2041 American National Government 3 hrs
2. Prefer: PSY 2012 General Psychology 3 hrs
E. Science Foundation (6 hrs)
1. Prefer: PSC 1121 Physical Science 3 hrs
2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

EDF 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Note: In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

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

3. Other Program Requirements (15 hrs)

MAC 1105 College Algebra or 3 hrs
MAE 2801 Elem Schl Math 4 hrs
EDF 2105 Child and Adolescent Development 3 hrs
EDF 2720* Children in Schools: Legal, Ethical And Safety Concerns 3 hrs
EEC 4731 Health, Safety, and Nutrition for Young Children or similar course 3 hrs

Select one:
ARE 2011 Early Childhood Art and Creativity 3 hrs
MUE 2211 Early Childhood Music and Movement 3 hrs

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Early Childhood Education Program Recommended Sequence of Required Upper Division Courses

Notes:
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.
- Early Childhood Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in this program are working toward certification in PreK-Primary (PK-3) with ESOL Endorsement. They take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the Early Childhood Education major’s program and to integrate theory and practice in actual school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty.

<table>
<thead>
<tr>
<th>Semester I</th>
<th>(15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700 Social and Emotional Development of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4661 Early Childhood Education Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3310 Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4751 Parent Involvement</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080 Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
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<tr>
<td>Semester II</td>
<td>(15 hrs)</td>
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<tr>
<td>EEC 4604 Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
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<tr>
<td>EEC 4207 Assessment and Evaluation of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4258 Curriculum Activities in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3450 Young Children with Special Needs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required at the time of application to EEC 3930C Seminar Course.

Summer (6 hrs)

EEC 4303 Planning Creative Activities in Early Childhood 3 hrs
RED 3012 Basic Foundations of Reading 3 hrs

- Passing score on the Subject Area Examination (Prekindergarten/Primary PK-3) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.

Semester III (12 hrs)

MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
SCE 4304 Science Curriculum and Assessment in Early Childhood 3 hrs
RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
EEC 3930C Early Childhood Education Seminar – Bridging Theory to Practice (This course includes in-school field experiences.) 3 hrs

- Based on recommendations above, the student should achieve a passing score on all applicable sections of the Florida Teacher Certification Examination prior to entry into Student Teaching.
- Students must apply and be approved for Internship. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

Semester IV (12 hrs)

EEC 4943 Student Teaching – Internship 12 hrs

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

5. Foreign Language Requirements (0-8 hrs)

State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

6. Departmental Exit Requirements

- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites.
ECONOMICS (B.A.)

College of Business Administration
Department of Economics, BA2 305, 407-823-3266
http://www.bus.ucf.edu/economics

Not eligible for a double degree with the BSBA in Economics

Advisors: Michael Caputo, BA2 302O, 407-823-1405, E-mail: mcaputo@bus.ucf.edu; D. Scrogin, BA2 302U, 407-823-4129; N. Underwood, BA2 302N, 407-823-1403

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education.

- Several flexible tracks allow students to customize their education to their personal interests and career goals.
- These tracks can be coupled with a minor from many different Colleges to create a unique program for each student.

An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog requirements.
- Students should consult with the major advisor for the Department.

General Education Program and Common Program Prerequisite courses are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

A. Communication Foundations (9 hrs)

- Preferred: SPC 1608

B. Cultural and Historical Foundations (9 hrs)

C. Mathematical Foundations (9 hrs)

D. Social Foundations (3 hrs)

E. Science Foundations (6 hrs)

2. Common Program Prerequisites (3 hrs)

- ECO 2013 Principles of Macroeconomics
- GEP 2023 Principles of Microeconomics

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

3. Core requirements (16 hrs)

- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs
- **ECO 3401 Quantitative Business Tools I 3 hrs
- **ECO 3411 Quantitative Business Tools II 4 hrs
- ECO 4451 Research Methods in Economics 3 hrs

- Students who have completed MAC 2313 (or any Calculus 1 & 2 sequence) and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.

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

4. Upper Division Restricted Electives (18 hrs)

All B.A. Economics majors will be required to take six (6) electives by choosing one of the following tracks:

4.1 PRE-LAW TRACK

Restricted electives (9 hrs)

- ECO 4751 Law and Economics
- ECO 4303 History of Economic Thought
- EFP 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.

---

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Total Semester Hours Required 120 hrs

Program Academic Learning Compacts

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

9. Recommended Four-Year Sequence of Courses

Note:

- This recommended sequence may vary at selected regional campus locations.
- Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year

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<tr>
<th>Fall</th>
<th>12 hrs</th>
<th>Spring</th>
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<tr>
<td>EDF 2005 Intro to the Teaching Prof</td>
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<td>EDF 2085 Intro to Diversity for Ed</td>
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<td>ENC 1101 English Composition I</td>
<td>3</td>
<td>ENC 1102 English Composition II</td>
<td>3</td>
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<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3</td>
<td>MAC 1105 College Algebra</td>
<td>3</td>
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<td>PSY 2012 General Psychology</td>
<td>3</td>
<td>PSC 1121 Physical Science</td>
<td>3</td>
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<tr>
<td>REL 2300 World Religions or PHI 2010 Intro to Piphil or</td>
<td>3</td>
<td>REL 2300 World Religions or PHI 2010 Intro to Piphil or</td>
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<td>EDF 2720 Child in Sch: Legal, or LIT 2110 World Lit I</td>
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<td>LIT 2110 World Lit II</td>
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Sophomore Year

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<tr>
<td>POS 2041 Amer National Gov</td>
<td>3</td>
<td>EDF 2130 Child and Adol Dev Ed*</td>
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<tr>
<td>ARE 2111 EC Art &amp; Creativity or MUE 2211 EC Music &amp; Move</td>
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Junior Year

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<tbody>
<tr>
<td>SPC 1608 Fund of Oral Comm</td>
<td>3</td>
<td>EDF 2130 Child and Adol Dev Ed*</td>
<td>3</td>
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<tr>
<td>EME 2040 Intro to Tech for Educators</td>
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<td>EDF 2720 Child in Sch: Legal, or</td>
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<tr>
<td>BSC 1005 Biological Principles or</td>
<td>3</td>
<td>PSC 1121 Physical Science</td>
<td>3</td>
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<tr>
<td>ANT 2511 The Human Species</td>
<td>3</td>
<td>REL 2300 World Religions or</td>
<td>3</td>
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<tr>
<td>STA 2014C Princ of Stats or STA 100C Basic Stats using MS Excel</td>
<td>3</td>
<td>PHI 2010 Intro to Piphil or</td>
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<tr>
<td>GEP B1 elective (Prefer AMH 2010)</td>
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<td>LIT 2110 World Lit I</td>
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*Transfer Note: Courses taken at community colleges may substitute for select courses with the permission of the department.

Summer

- A passing score on all sections of the CLAST and/or GKT is required for admission to the program and thus must be completed prior to the Junior Year.
- Refer to http://www.ftdeo.org for test dates and sites.

Junior Year

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<tr>
<th>Fall</th>
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<td>EEC 3700 Soc &amp; Emo Dev of Young</td>
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<td>ECO 4604 Class Mgt Guid Yng Child 3</td>
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<tr>
<td>ECO 4661 EC Ed Theory and Pract</td>
<td>3</td>
<td>ECO 4207 Assess &amp; Eval Yng Child</td>
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<td>RED 3110 Early Read, Writ &amp; Lang Arts</td>
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<td>STA 4240 Issues in 2nd Lang Acq</td>
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<tr>
<td>EEC 4751 Parent Involvement</td>
<td>3</td>
<td>EEC 4303 Soc &amp; Emo Dev of Young</td>
<td>3</td>
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<td>TSL 4080 Theory &amp; Prac of Teaching</td>
<td>3</td>
<td>**ECO 3411 Quantitative Business Tools II</td>
<td>4 hrs</td>
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<td>ESOL Students in Schools</td>
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<td>ECO 4451 Research Methods in Economics</td>
<td>3 hrs</td>
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<td>*Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE - Refer to <a href="http://www.ftdeo.org">http://www.ftdeo.org</a> for test dates and sites.</td>
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Summer

- **ECO 3411 Quantitative Business Tools II 4 hrs

Junior Year

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<th>Spring</th>
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<tr>
<td>MAE 3003 Math Curri &amp; Assess in EC</td>
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<td>ECO 4943 Student Teach-Intern</td>
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<tr>
<td>SCE 4304 Sci Curri &amp; Assess in EC</td>
<td>3</td>
<td>Arts Cur &amp; Asses</td>
<td>3</td>
</tr>
<tr>
<td>RED 4311 Prim Read, Writ, &amp; Lang Arts</td>
<td>3</td>
<td>EEC 3930C ECE Seminar Bridging</td>
<td>3</td>
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<tr>
<td>Theory to Prac (This course includes in-school field experiences.)</td>
<td>3</td>
<td>**ECO 3401 Quantitative Business Tools I 3 hrs</td>
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</table>

Senior Year

- *ECO 3401 Quantitative Business Tools I 3 hrs
- **At UCF, students who have completed MAC 2333 (or any Calculus 1 & 2 sequence) and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.
- **STA 4163 or STA 4321 may substitute for ECO 3411.

Upper Division Restricted Electives

- **ECO 3411 Quantitative Business Tools II 4 hrs

Restricted electives (9 hrs)

- ECO 4751 Law and Economics
- ECO 4303 History of Economic Thought
- EFP 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.
4.2 POLITICAL ECONOMY TRACK
Restrictive electives (9 hrs)
- ECO 4504 Public Economics
- ECO 4303 History of Economic Thought
- ECS 4013 Economics of Developing Areas

Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses. For double majors in Political Science, two of these electives can be selected from Political Science with advisor’s approval.

4.3 PRIVATE ENTERPRISE TRACK
Restrictive electives (9 hrs)
- ECO 3223 Money and Banking
- ECP 3203 Labor Economics
- ECP 4402 Industrial Organization and Game Theory

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

4.4 INTERNATIONAL TRACK
Restrictive electives (9 hrs)
- ECO 3703 International Trade
- ECS 4013 Economics of Developing Areas
- ECO 4704 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.

4.5 ECONOMICS OF GOVERNMENTAL REGULATION
Restrictive electives (9 hrs)
- ECP 4302 Environmental & Natural Resource Economics
- ECO 4504 Public Economics
- ECS 3203 Labor Economics

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

4.6 GENERAL TRACK (18 hrs)
Select any six 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. Two of these electives can be selected from a related discipline with advisor’s approval.

It is possible to have a double track; however, only the first designated track will show on the transcript.

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
- ECO 3703 International Trade
- ECO 4412 Econometrics
- ECO 3410 Mathematical Economics
- ECO 4504 Public Economics
- ECO 4403 Industrial Organization and Game Theory

Students are also encouraged to select MAC 2311, 2312 and 2313 along with STA 4321 and 4322 as substitutes for ECO 3401 and ECO 3411. Minors in Mathematics or Statistics are also recommended to help prepare students for graduate school. Consult with the Department’s major advisors on the appropriate minors to be paired with different tracks.

5. Required Minor (18 hrs min)
Completion of a minor in one of the following suggested areas: Mathematics, Statistics, Legal Studies, Environmental Studies, Finance, Real Estate, Business, Digital Media, Computer Science, History, English, or any of the Social and Behavioral Sciences. Other minors may be selected with prior approval of the Economics Undergraduate Advisor.

6. Departmental Exit Requirements
- Students majoring in Economics must earn a grade of “C” (2.0) or better in every course applied towards the major as well as a 2.0 overall average in the major.
- Computer Competency met by Research Methods course.

7. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

8. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Economics B.S.B.A., Accelerated B.A./M.S.
Related Minors: Statistics, Mathematics, Legal Studies, Political Science, Psychology, Sociology, Computer Science

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

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

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

Four Year Plan of Study – B.A. Economics

<table>
<thead>
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ECONOMICS, BUSINESS (B.S.B.A.)

College of Business Administration
Department of Economics, BA2 305, 407-823-3266
http://www.bus.ucf.edu/economics

Not eligible for a double degree with another College of Business Administration major or a BA in Economics

Undergraduate Advising: BA2 101, 407-823-2184;
Advisors: Michael Caputo, BA2 302Q, 407-823-1405,
E-mail: mcaputo@bus.ucf.edu; D. Scroggin, BA2 302U, 407-823-4129; N. Underwood, BA2 302N, 407-823-1403

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Several flexible tracks allow students to customize their education to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.

Admission Requirements for Business Economics

Completion of the UCF General Education program, and the Gordon Rule, or an AA degree from a Florida Public Community College

See Common Program Prerequisites

Degree Requirements

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      Preferred: SPC 1608
      9 hrs
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      Select MAC 1140 Pre-Calculus Algebra or Calculus
      or MAC 1147 Pre-Calculus Algebra
      or MAC 1194 Pre-Calculus Algebra
      or MAC 2233 Calculus I
      or MAC 2311 Calculus I
      or MAC 2312 Calculus II
      3 hrs
      Select GS 2100C Computer Fundamentals for Business
      3 hrs
   D. Social Foundations
      Select ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
      3 hrs
      Select one: PSY 2012, SYG 2000, ANT 2000
      3 hrs
   E. Science Foundation
      6 hrs

2. Common Program Prerequisites
   (18-21 hrs)
   Must be completed with a “C” (2.0) or better.
   ACG 2021 Principles of Financial Accounting
   ACG 2071 Principles of Managerial Accounting
   ACG 2053 Principles of Microeconomics
   ECO 2013 Principles of Macroeconomics
   *ECO 3401 Quantitative Business Tools I*
   CGS 2100C Computer Fundamentals for Business
   3 hrs
   *At UCF, students who have completed MAC 2233 (or any Calculus 1 & 2 sequence) and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a ‘C’ (2.0) or better must take ECO 3401.

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

3. Core Classes (36 hrs)
   First or subsequent semester in the College of Business Administration:
   GEB 3031 Cornerstone (Required in 1st or 2nd semester)
   GEB 3375 Introduction to International Business
   BUL 3130 Legal & Ethical Environment of Business
   ECO 3411** Quantitative Business Tools II
   FIN 3403C Business Finance
   MAN 3025 Management of Organizations
   ISM 3011C Essentials of Management Information Systems
   MAR 3023 Marketing
   Last Semester:
   MAN 4720 Strategic Management
   **STA 4163 or STA 4321 may substitute for ECO 3411

4. Special College and/or Departmental Requirements
   Must complete all Gordon Rule requirements, prior to admission to this degree.
   Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
   Final exams will be given during Exam Week.

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

5. Required Major Courses (9 hrs)
   ECO 3101 Intermediate Microeconomics
   ECO 3203 Intermediate Macroeconomics
   ECO 4451 Research Methods in Economics

6. Upper Division Restricted Electives (15 hrs)
   All B.S.B.A. economics majors will be required to take five (5) electives by choosing one of the following tracks:

6.1 BUSINESS ECONOMICS TRACK
   Restricted electives (9 hrs)
   ECP 3203 Labor Economics
   ECP 4403 Industrial Organization and Game Theory
   ECO 3223 Money and Banking

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

6.2 INTERNATIONAL TRACK
   Restricted electives (9 hrs)
   ECO 3703 International Trade
   ECO 4704 International Macroeconomics
   ECS 4013 Economics of Development

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

6.3 PRE-LAW TRACK
   Restricted electives (9 hrs)
   ECO 4751 Law and Economics
   ECP 3203 Labor Economics
   ECP 4403 Industrial Organization and Game Theory

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

6.4 FINANCIAL ECONOMICS TRACK
   Restricted electives (9 hrs)
   ECO 4412 Econometrics
   ECO 3203 Money and Banking
   ECO 4704 International Macroeconomics

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

6.5 ECONOMICS OF GOVERNMENTAL REGULATION TRACK
   Restricted electives (9 hrs)
   ECP 4302 Environmental & Natural Resource Economics
   ECO 4504 Public Economics
   ECP 3203 Labor Economics

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

6.6 GENERAL TRACK
   Select any five 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. One of these electives can be selected from a related discipline with advisor’s approval.

   It is possible to have a double track; however, only the first designated track will appear on the transcript.

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

   ECO 3703 International Trade
   ECO 4412 Econometrics
   ECO 3410 Mathematical Economics
   ECO 4504 Public Economics
   ECP 4403 Industrial Organization and Game Theory

Students are also encouraged to select MAC 2311, 2312 and 2313 along with STA 4321 and 4322 as substitutes for ECO 3401 and ECO 4411.
UCF Degree Programs

7. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

9. Electives*** (variable)
Total Semester Hours Required 120 hrs

Related Programs: Economics B.A., Accelerated B.A./M.S.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

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

Equipment Fee
- Full-time Student: $60 per term
- Part-time Student: $15 per term

Four Year Plan of Study - Business Economics

<table>
<thead>
<tr>
<th>Year</th>
<th>Term</th>
<th>Hours</th>
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<tr>
<td></td>
<td>4th Term</td>
<td>15</td>
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</tbody>
</table>

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).

ECONOMICS (B.A./M.A.A.E.)

Accelerated Undergraduate-Graduate Program
Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

ECONOMICS

See also Mathematics - Mathematical Economics Track

ELECTRICAL ENGINEERING (B.S.E.E.)

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science, Harris Corp Engineering Ctr., Rm 246, 407-823-2787; Fax: 407-823-5419

http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu

Contacts: Dr. Samuel Richie, HEC 245E; Charlese Hilton-Brown, HEC 245F

Admission Requirements: none

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

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

Engineering Students

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

A. Communication Foundations
- 9 hrs
  - 1. ENC 1101 & ENC 1102
  - 2. Prefer SPC 1608 or SYG 2000

B. Cultural and Historical Foundations
- 9 hrs
  - 1. Select two courses from Historical Foundations
  - 2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, or LIT 2210

C. Mathematical Foundations
- 7 hrs
  - 1. Select MAC 2311, MAC 2312, or MAC 2313
  - 2. Select STA 2023 (PR: MAC 2311)

D. Social Foundations
- 6 hrs
  - 1. Select ECO 2013 or ECO 2023
  - 2. ANT 2000, PSY 2012, or PSY 2000

E. Science Foundations
- 7 hrs
  - 1. Select PHY 2048/48L (PR: MAC 2311)
  - 2. ANT 2511, BSC 1050, BSC 2050, GLO 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP's) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in ECE major courses, a 2.0 (C or better) in each course is required for those courses in section 2. marked with an asterisk (*)

Part-time Student: $30 per term
Full-time Student: $15 per term
3. Courses Required for the Engineering Core (14 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts & Methods 1 hr
EGN 3310 Engineering Analysis - Statistics 3 hrs
EGN 3321 Engineering Analysis - Dynamics or
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs
EEC 3307C Electronics I 4 hrs
EEE 3307C Electronics I 4 hrs
EEC 3350 Semiconductors Devices I 3 hrs
EEE 3350 Semiconductors Devices I 3 hrs
EEL 3123C Networks and Systems 4 hrs
EEL 3123C Networks and Systems 4 hrs
ECE 3332C Digital Systems 3 hrs
EEL 3470 Electromagnetic Fields 3 hrs
EEL 3552C Analog and Digital Communications 4 hrs
EEL 3657 Linear Control Systems 3 hrs
EEL 3801 Computer Organization 3 hrs
EEL 4309C Electronics II 4 hrs
EEL 4750 Digital Signal Processing Fund. 3 hrs
EEL 4767C Embedded Systems 4 hrs

4. Courses Required for the Major (41 hrs)

EEL 3004 Electrical Networks 3 hrs
EEL 3123C Networks and Systems 4 hrs
EEL 3350 Semiconductors Devices I 3 hrs
EEL 3370C Electronics I 4 hrs
EET 3342C Digital Systems 3 hrs
EEL 3470 Electromagnetic Fields 3 hrs
EEL 3552C Analog and Digital Communications 4 hrs
EEL 3657 Linear Control Systems 3 hrs
EEL 3801 Computer Organization 3 hrs
EEL 4309C Electronics II 4 hrs
EEL 4750 Digital Signal Processing Fund. 3 hrs
EEL 4767C Embedded Systems 4 hrs

5. Approved Technical Electives (10 hrs)

Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics and wireless communications. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Departmental Graduation Requirements (6 hrs)

EEL 4914 Senior Design I 3 hrs
EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements (0-8 hrs)

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

Graduation: none

8. University Minimum Graduation Requirements

A 2.0 UCF GPA.
60 semester hours earned after any CLEP award.
48 semester hours of upper division credit completed.
30 of the last 36 hours of course work must be completed in residency at UCF.
25% of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required: 128 hrs

Related Programs: Computer Engineering, Computer Science, Electrical Engineering Technology (Electrical Systems Concentration).

Related Minors: Engineering Leadership, Intelligent Robotic Systems

Transfer Notes:

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Program Academic Learning Compacts

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

Equipment Fee

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

Tentative Course Schedule for Entering Freshmen

The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Electrical Engineering - 128 semester hours required

FIRST YEAR

Fall 16 hrs 1,3 Spring 15 hrs 1,3
EGN 1006C Intro to Engr 1 EEL 3004 Electrical Networks 3
EGN 1007C Eng Concepts & Methods 1 EEL 3123C Networks and Systems 4
EGN 3310 Engineering Analysis - Statics 3 EEL 3350 Semiconductors Devices I 3
EGN 3321 Engineering Analysis - Dynamics or
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs
EEC 3307C Electronics I 4 hrs
EEE 3307C Electronics I 4 hrs
STA 3032 Probability & Statistics for Engineers 3 hrs
PHY 3101 Physics for Engineers & Scientists III 3 hrs

SECOND YEAR

Fall 17 hrs 1 Spring 15 hrs 1
*MAC 2313 Calc with Analytic Geo I 4 EEL 3801 Computer Organization 3
*MAC 2311 Calc with Analytic Geo I 4 EEL 3657 Linear Control Systems 3
*MAC 2311 Calc with Analytic Geo I 4 EEL 3801 Computer Organization 3
*MAP 2302 Diff Equations 3 EEL 3123C Networks and Systems 4
*PHY 2048/49L* Phys for Engr I/II 4 hrs
*PHY 2048/49L* Phys for Engr I/II 4 hrs
*MAC 2312 Calc with Analy Geo II 4
*MAC 2312 Calc with Analy Geo II 4

THIRD YEAR

Fall 14 hrs 1 Spring 17 hrs
EEC 3350 Semicond Devices I 3 EEL 3350 Semicond Devices I 3
EEL 3350 Semicond Devices I 3 EEL 3657 Linear Control Systems 3
EEL 4750 Digital Signal Processing Fund. 3 hrs EEL 4767C Embedded Systems 4 hrs
EEL 4767C Embedded Systems 4 hrs EEL 4767C Embedded Systems 4 hrs

FOURTH YEAR

Fall 16 hrs 1 Spring 13 hrs
EEL 4750 Digital Signal Proc Fund 3 hrs EEL 4750 Digital Signal Proc Fund 3 hrs
EEL 4740 Digital Signal Proc Fund 3 hrs EEL 4740 Digital Signal Proc Fund 3 hrs
EEL 3409C Electronics II 4 hrs EEL 4749C Digital System Design 4 hrs
EEL 4749C Digital System Design 4 hrs EEL 4749C Digital System Design 4 hrs

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the UCF Degree Programs.
2. Assumes knowledge of a course in C programming language.
3. EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 5. Approved Technical Electives.

Accelerated BS/MS Degree Program

The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of the Catalog for more information.
EET 4732C Feedback Control Systems  4 hrs
EET 4548C Power Systems   4 hrs
EET 3716 Network Analysis   3 hrs
CET 4134C Microprocessor Electronics II  3 hrs
(C (2.0) or better grades are required in all courses)
Upper Level Required Courses   (23 hrs)
EET 3085C  Electricity and Electronics  4 hrs
EET 2025C  Electrical Circuits   4 hrs
EET 3143C Electronic Devices and Circuits  4 hrs
CET 2364 System Applications in C   3 hrs
EST 3543C  Programmable Logic Controllers  3 hrs
EET 4339C Antennas and Propagation  3 hrs
EET 4359C Digital Communications   4 hrs
EST 3222 Intro to Photonics  3 hrs
5. Departmental Exit Requirement
   (C (2.0) or better grade is required )
   ETG 4950C Senior Design Project  3 hrs
   A grade of 2.0 or better is required in all prerequisites.
   6. Foreign Language Requirements
      Admission: Two years of one foreign language in high school, or
      one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
      Graduation: none
   7. Approved Technical Electives
      Students should consult with the ENT Department for a list of the
      approved technical electives and the terms when specific courses of
      this type are to be offered.
   8. University Minimum Graduation Requirements
      A 2.0 UCF GPA
      60 semester hours earned after any CLEP award
      48 semester hours of upper division credit completed
      30 of the last 36 hours of course work must be completed in
      residency at UCF
      25% of course work must be completed in residency at UCF
      A maximum of 45 hours of extension, correspondence, CLEP,
      Credit by Exam, and Armed Forces credits permitted
      Complete the General Education Program, the Gordon Rule,
      the CLAST, and nine semester hours of Summer credit (if applicable)
   Total Semester Hours Required:          128 hrs
Related Programs: Electrical Engineering Technology (Computer Systems Concentration)
Related Minors: Interdisciplinary Informatics Technology
Transfer Notes:
   Students transferring from any Florida public institution with an
   AA degree or with the general education program (GEP) require-
   ments of that institution met have thereby satisfied UCF GEP
   requirements.
   Students entering a UCF undergraduate program and having a

   UK 2009-2010 Undergraduate Catalog
Freshman Year
Fall 13 hrs
ENC 1101 Composition I 4
MAC 1105 College Algebra 3
BIO 1010 Biological Principles 3
Cultural/Historical Foundation 3

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

Sophomore Year
Fall 16 hrs
SPC 1608 Oral Communications 3
PHY 2053C College Physics I 4
Cultural/Historical Foundation 3
ETI 3651C Computer Appl 4
CET 2364 Sys Applic in C 3

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

Junior Year
Fall 13/14 hrs
MAP 3401 Problem Analysis 3/4
or MAC 2312 Calculus II 3
or MAC 2254 Applied Calc II 3
EET 2025C Electrical Circuits 4
CET 3115C Digital Technology 4
Lower level elective 2

Summer 10 hrs
CET 4134C Microprocessor Elec II 3
EET 3143C Elect Devices and Circuits 4
Upper level elective 3

Senior Year
Fall 16 hrs
EET 4548C Power Systems 4
EET 4158C Linear Int Circ 3
EST 3543C Programmable Logic Cont 3
Upper level elective 4
CET 2124 Microcom Tech I 3

Spring 15 hrs
ETG 4950C Applied Project Mgmt 3
ETI 3116 Network Analys 3
CET 3198C Digital Systems 3
Social Foundation 3

ELECTRICAL ENGINEERING TECHNOLOGY (BSEET)
A.S. to B.S.E.E.T. CONCENTRATION

Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

ELEMENTARY EDUCATION (B.S.)
College of Education
Department of Teaching and Learning Principles
ED 209

http://education.ucf.edu/eledem/
Program Coordinators: Dr. Karri Williams and Dr. Robert Everett
E-mail: kwilliam@mail.ucf.edu, everett@mail.ucf.edu

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirements.
- Meet the Foreign Language Admission Requirement.

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

1. UCF General Education Program

A. Communication Foundation

1. ENC 1101 English Composition I 3 hrs
2. ENC 1102 English Composition II 3 hrs
3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundation

1. Prefer: AMH 1001 U.S. History 1492-1877 3 hrs
2. Prefer: ARH 2050 Art History of Art I or ARH 2051 The History of Art II or MUL 2010 Enjoyment of Music 3 hrs
3. Prefer: AMH 2020 U.S. History 1877 - present 3 hrs

C. Mathematical Foundation

1. Select: MAC 1105 College Algebra or MGF 1106 Finite Mathematics or MGF 1107 3 hrs
2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs

D. Social Foundation

1. Prefer: POS 2041 American National Government 3 hrs
2. Prefer: PSY 1010 General Psychology 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites

(Electives may vary at regional campus locations.)

- MAC 1105 College Algebra (if MGF 1106 taken for General Education Program)
- MAE 2801* Elementary School Mathematics 4 hrs
- PET 2081** Wellness, Children & Schools 1 hr

**Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

3. Other Program Requirements

4. Lower Division Electives

Students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination:

- MAC 1105 College Algebra (if MGF 1106 taken for General Education Program)
- MAE 2801* Elementary School Mathematics 4 hrs
- PET 2081** Wellness, Children & Schools 1 hr

**Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

5. Education Program Recommended Sequence of Required Upper Division Courses

Note: The following recommended sequence of required upper division courses may vary at regional campus locations.

Semester I (15 hrs)
EDG 4410 Teaching Strategies and Classroom Mgmt 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
LAE 4314 Children’s Literature 3 hrs
RED 3012 Basic Foundations of Reading (required prior to Internship I) 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL in Students in Schools (required prior to Internship I) 3 hrs

Semester II (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 Elem School 3 hrs
RED 4519 Diagnostic & Corrective Reading Strategies (required prior to Internship I) 3 hrs
EEX 4070 Teaching Exceptional Children 3 hrs

Summer (6 hrs)
EET 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs

Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
UCF Degree Programs

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

Prerequisites for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801.

Note: RED 4942, MAE 4326, and EDE 4223 are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

Semester III (Internship I Block) (12 hrs)

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<th>Course Title</th>
<th>Hours</th>
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<td>Practicum for Assessment and Instruction of Reading (P/RED 4519)</td>
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<tr>
<td>MAE 4326</td>
<td>How Children Learn Math</td>
<td>3</td>
</tr>
<tr>
<td>EDE 4223</td>
<td>Integrated Arts and Movement in Elem School</td>
<td>3</td>
</tr>
<tr>
<td>EDE 3942</td>
<td>Internship I</td>
<td>3</td>
</tr>
</tbody>
</table>

- Passing score on the Subject Area Examination (Elementary Education K-6) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- All methods/specialization/foundations courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

Semester IV (Internship II) (12 hrs)

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<td>Internship II</td>
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6. Foreign Language Requirements (0-8 hrs)

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

7. Departmental Exit Requirements (0-8 hrs)

- Achieve a minimum overall 2.5 GPA within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

9. Total Semester Hours Required 120 hrs

Program Academic Learning Compacts

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

10. Recommended Four-Year Sequence of Courses

Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year

<table>
<thead>
<tr>
<th>Term</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EME 2040</td>
<td>Intro to Tech for Educators</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ARH 2050</td>
<td>The History of Art I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
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<tr>
<td></td>
<td>EDE 4223</td>
<td>Internship I</td>
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Summer

<table>
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<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3</td>
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<tr>
<td></td>
<td>POS 2041</td>
<td>American National Gov.</td>
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Sophomore Year

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<th>Term</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Fall</td>
<td>AMH 2010</td>
<td>U.S. History 1492-1877</td>
<td>15</td>
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<tr>
<td></td>
<td>BSC 1050</td>
<td>Biological Principles</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EDF 2005</td>
<td>Intro to the Teaching Prof</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>RED 3012</td>
<td>Basic Found of Reading</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>TSL 4080</td>
<td>Theory &amp; Prac of Teach ESOL Students</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>RED 4943</td>
<td>Practicum for Assessment</td>
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Junior Year

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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EDG 4410</td>
<td>Teach Strat &amp; Class Mgnt</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EDF 4410</td>
<td>Learn Theory &amp; Asmnt</td>
<td>3</td>
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<tr>
<td></td>
<td>LAE 3144</td>
<td>Children's Literature</td>
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<td></td>
<td>RED 3012</td>
<td>Basic Found of Reading</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>TSL 4080</td>
<td>Theory &amp; Prac of Teach ESOL Students</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>RED 4943</td>
<td>Internship II</td>
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Senior Year

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<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>Fall</td>
<td>MAE 4326</td>
<td>How Children Learn Math</td>
<td>3</td>
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<tr>
<td></td>
<td>RED 4943</td>
<td>Practicum for Asmnt &amp; instruct of Reading</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EDE 4223</td>
<td>Integrated Arts and Movement in Elem School</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EDE 3942</td>
<td>Internship I</td>
<td>3</td>
</tr>
</tbody>
</table>

ENGINEERING TECHNOLOGY - DESIGN CONCENTRATION (B.S.E.T.)

College of Engineering and Computer Science Engineering Technology (ENT) Department, ENGR 207
http://ent.ucf.edu

Coordinator: Dr. Eduardo Divo, 407-823-4753, E-mail: edivo@mail.ucf.edu

Admission Requirements

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 1603
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 PHY 2053D
   3. Select PHY 2053E
E. Science Foundations 8 hrs
   1. Select MAC 1105
   2. Select MAC 2311
   3. MAC 2311
   4. MAC 2312

2. Common Program Prerequisites (CPP) (6/8 hrs)

- A student must have completed the following prerequisites with a grade of “C” (2.0) or better in all prerequisite courses.

- A grade of “C” (2.0) or better is required in all prerequisite and upper level courses.

- MAC 2253, Calculus I or MAC 2311, Calculus w/Analytical Geometry I
- MAC 2254, Calculus II or equival
- PHY 1053C, College Physics I & Lab
- PHY 2048L, Physics for Engrs & Scientists I
- PSC 1121, General Physics I

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
3. Engineering Technology Core Requirements (21 hrs)
   - ANT 2511, BSC 1005, BSC 1050, GEO 1200, MCB 1310 or GGY 1030
   - ENC 3924: Writing for the Technical Professional 3 hrs
   - MAC 1105: College Algebra 3 hrs
   - MAC 1114: College Trigonometry 3 hrs
   - MAC 2233: Calculus with Analytical Geometry I 4 hrs
   - MAP 3401: Problem Analysis 3 hrs
   - or MAC 2312: Calculus with Analytical Geometry II 4 hrs
   - PHY 2053C: College Physics I 4 hrs
   - CET 3954: Applied Mechanics 3 hrs
   - ETI 4448: Applied Project Management 3 hrs
   - ETI 3116: Applied Engineering Quality Assurance 3 hrs
   - ETI 4563: Technology Administration 3 hrs

4. Technical Specialization (60 hrs)
   - (C 2.0 or better grades are required in all courses except lower level technical electives)

   Lower Level Required and Elective Courses (26 hrs)
   - EST 3543C: Programmable Logic Controllers 3 hrs
   - CHM 1032L: General Chemistry/Lab 4 hrs
   - CET 2364: Systems Application in C++ 3 hrs
   - EET 3085C: Electricity and Electronics 4 hrs
   - or EET 3086: Circuit Analysis 4 hrs
   - STA 2023: Statistical Methods I 3 hrs
   - Approved Lower Level Technical Electives 12 hrs

   Select one of the following two options to complete your BSET.

   a. Mechanical Technology Track
   - Upper Level Required Courses (22 hrs)
     - EST 4502C: Metrology & Instrumentation 4 hrs
     - ETD 3350C: Applied CAD 3 hrs
     - ETG 3533C: Applied Engineering Strength of Materials 4 hrs
     - ETI 3421: Materials & Processes 3 hrs
     - ETM 4220: Applied Energy Systems 4 hrs
     - ETM 4315C: Applied Fluid Mechanics 4 hrs
   - Upper Level Technical Elective (12 hrs)
     - ETI 4480C: Applied Robotics 4 hrs
     - ETI 4700C: Occupational Safety 3 hrs
     - ETD 4512C: Applied Design of Machine Elements 3 hrs
     - ETA 3418C: Computer Numerical Controls 3 hrs
     - EMT 4251C: Applied Heat Transfer 4 hrs
     - EMT 4755: Applied Air Conditioning 4 hrs
     - CTE 3103: Introduction to Information Technology 3 hrs
   - Construction Technology Track
   - Upper Level Required Courses (22 hrs)
     - ETG 3533C: Applied Engineering Strength of Materials 4 hrs
     - ETC 4242: Construction Contracts & Specs 3 hrs
     - ETC 4414C: Applied Structural Design I 3 hrs
     - ETC 4415C: Applied Structural Design II 3 hrs
     - ETC 4241C: Construction Materials & Methods 3 hrs
     - ETC 4241: Construction Materials & Processes 3 hrs
     - ETC 4240: Construction Estimating 3 hrs
     - ETC 3954: Construction Project Management 3 hrs
   - Upper Level Technical Elective (12 hrs)
     - EST 4502C: Metrology & Instrumentation 4 hrs
     - ETC 4243: Building Systems 3 hrs
     - ETA 3421: Materials & Processes 3 hrs
     - ETI 4700C: Occupational Safety 3 hrs
     - ETD 4351C: Applied Fluid Mechanics 4 hrs
     - ETI 4220: Applied Energy Systems 4 hrs
     - GIS 3043C: GIS for Environmental Studies 3 hrs
     - SUR 3324C: Digital Cartography 3 hrs

5. Departmental Graduation Requirement (3 hrs)
   - (C 2.0 or better grades are required in all courses)
   - or ETG 4950C: Senior Design Project 3 hrs
   - or (C 2.0 or better grades are required in all prerequisites)

6. Foreign Language Requirements (0-8 hrs)
   - Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation: none

7. Approved Technical Electives
   - Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

8. University Minimum Graduation Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - 25% of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required 128 hrs

Related Programs: Engineering Technology (Operations Concentration)

Related Minors: Interdisciplinary Informatics Technology

Transfer Notes:
- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in the Catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048L and 2049L substitute for PHY 2053C and PHY 2054C respectively.

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

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

Tentative Schedule for the Design Concentration
The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Engineering Technology – 128 semester hours required

Freshman Year
- Fall: 13 hrs
  - ENC 1101 Composition I 3
  - MAC 1105 College Algebra 3
  - Biological science 4
  - Cultural/Historical Foundation 3
- Spring: 13 hrs
  - ENC 1102 Composition II 3
  - MAC 1114 Trigonometry 3
  - Cultural/Historical Foundation 3
  - Social Foundation 3

Sophomore Year
- Fall: 13 hrs
  - SPC 1608 Oral Communications 3
  - PHY 2053C College Physics I 4
  - MAC 2253 Calculus I 3
  - ETI 3671 Tech Econ Analysis 3
- Spring: 15 hrs
  - PHY 2054L Calculus II 4
  - STA 2023 Statistical Methods 3
  - MAP 3401 Prob Analysis 3
  - MAP 2312 Calculus II 3

Junior Year
- Fall: 16 hrs
  - EET 3085C Electricity and Electro 4
  - ETI 4700C Professional Development 3
  - Social Foundation 3
  - ETG 3541 Applied Mechanics 3
  - ETD 3350C Appl CAD 3
- Spring: 15 hrs
  - Lower level elective 3
  - Lower level elective 3
  - ETI 4480C Applied Project Management 3

Senior Year
- Summer: 7 hrs
  - ETI 4635 Tech Econ Analysis 3
  - ETE 4331C Appl Fluid Mech 3

UCF Degree Programs
ENGINEERING TECHNOLOGY - OPERATIONS CONCENTRATION (B.S.E.T.)

College of Engineering and Computer Science
Engineering Technology (ENT) Department
http://ent.ucf.edu
Coordinator: Dr. Eduardo Divo, 407-823-4753, E-mail: edivo@mail.ucf.edu

Admission Requirements: 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 & ENC 1102
   B. Cultural and Historical Foundations 9 hrs
      1. Select MAC 1105
      2. Select STA 2023
   C. Mathematical Foundations 6 hrs
      1. Select MAC 2311
   D. Social Foundations 6 hrs
      1. Select PHY 2053C
   E. Science Foundations 8 hrs
      1. Select PHY 2053C
      2. Select CSCI 1103, MAC 2311, MAC 2312, PHY 2051
   F. University Minimum Graduation Requirements
      1. A 2.0 UCF GPA
      2. 60 semester hours earned after any CLEP award
      3. 48 semester hours of upper division credit completed
      4. 30 of the last 30 hours of course work must be completed in residency at UCF
      5. 25% of course work must be completed in residency at UCF
      6. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
      7. Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit

2. Common Program Prerequisites (CPP) (6/8 hrs)
   (C (2.0) or better grades are required in all courses)
   MAC 2253  Calculus I 3/4 hrs
   or MAC 2211  Calculus w/Analytical Geometry I 3/4 hrs
   MAC 2254  Applied Calculus I 3/4 hrs
   or MAC 2312  Calculus w/Analytical Geometry II 3/4 hrs
   PHY 2053C  Physics for Engrs & Scientists I 3/4 hrs
   or PHY 2048L  Physics for Engrs & Scientists I 3/4 hrs

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

3. Engineering Technology Core Requirements (21 hrs)
   ANT 2511, BSC 1005, BSC 1050, GEO 1200, GEO 2370, or GLY 1030 6 hrs
   ENC MAC 1105  Calculus w/Analytical Geometry I 3/4 hrs
   MAC 2253  Applied Calculus I GEP
   or MAC 2311  Calculus w/Analytical Geometry I 3/4 hrs
   MAP 3401  Problem Analysis GEP
   or MAC 2312  Calculus w/Analytical Geometry II 3/4 hrs
   PHY 2053C  Physics for Engrs & Scientists I 3/4 hrs
   or PHY 2048L  Physics for Engrs & Scientists I 3/4 hrs
   EET 3085C  Electrical and Electronics Systems I 3/4 hrs
   EET 3671  Technical Economic Analysis 3 hrs
   EIT 3116  Applied Engineering Quality Assurance 3 hrs
   EIT 4635  Technology Administration 3 hrs

4. Technical Specialization (60 hrs)
   (C (2.0) or better grades are required in all courses)
   Lower Level Required and Elective Courses (25 hrs)
   EIT 3543C  Programmers Logic Controllers 3 hrs
   CHM 1032L  General Chemistry/Lab 4 hrs
   CET 2364  Systems Application in C++ 3 hrs
   EET 3085C  Electricity and Electronics 4 hrs
   STA 2023  Statistical Methods I 3 hrs
   Approved Lower Level Technical Electives 11 hrs

Upper Level Required Courses (18 hrs)
   EIT 4640  Operations Management 3 hrs
   ETI 3350C  Applied CADD 3 hrs
   EIT 3421  Materials & Processes 3 hrs
   EIT 4186  Applied Reliability 3 hrs
   EIT 4700  Occupational Safety 3 hrs
   EIT 4205  Applied Logistics 3 hrs

Upper Level Technical Elective (Select 5) (17 hrs)
   CET 3010  Introduction to Information Technology 3 hrs
   EST 3222  Introduction to Photonics 3 hrs
   SUR 3324C  Digital Cartography 3 hrs
   ETG 3533C  Applied Engnrng Strength of Materials 4 hrs
   ETI 3418C  Computer Numerical Controls 3 hrs
   ETI 3421  Materials & Processes 3 hrs
   EST 4502C  Metrology & Instrumentation 4 hrs
   ETM 4220  Applied Energy Systems 4 hrs
   ETT 4331C  Applied Fluid Mechanics 4 hrs
   GIS 304C  GIS for Environmental Studies 3 hrs

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

6. Foreign Language Requirements (0-8 hrs)
   Admission: none

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. 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 30 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
   G. Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required 128 hrs

Related Programs: Engineering Technology (Operations Concentration)

Related Minors: Interdisciplinary Informatics Technology

Transfer Notes:
- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in the Catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly scheduled 3000- or 4000-level courses taken from the UCF ENT Department.
- PHY 2048L and 2048L substitute for PHY 2053C and PHY 2054C respectively.
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [www.oaes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm)

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

Tentative Course Schedule for the Operations Concentration
The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

**Freshman Year**
- Fall: 13 hrs
  - ENC 1101 Composition I 3
  - MAC 1105 College Algebra 3
  - Biological science 4
  - Cultural/Historical Foundation 3
- Spring: 13 hrs
  - ENC 1102 Composition II 3
  - CHM 1032 General Chemistry 4
  - MAC 1114 Trigonometry 3
  - Social Foundation 3

**Sophomore Year**
- Fall: 13/14 hrs
  - SPC 1608 Oral Communications 3
  - PHY 2053C College Physics I 4
  - MAC 2252 Applied Calculus I 3/4
  - or MAC 2311 Calculus w Anly Geo
- Spring: 12/13 hrs
  - Cultural/Historical Foundation 3
  - STA 2023 Statistical Methods 3
  - MAP 3401 Prob Analysis 3/4
  - or MAC 2312 Calculus II
  - or MAC 2254 Applied Calc II
  - ETI 3371 Tech Econ Analysis 3

**Summer**
- ETI 3116 App Eng Quality Assur 3
- ENC 3241 Writing Tech Pros 3
- Lower level elective 3

**Junior Year**
- Fall: 16 hrs
  - EET 3095C Electricity and Electro 4
  - Lower level elective 4
  - CET 2364 Sys Appl in C++ 3
  - Social Foundation 3
  - ETI 3671 Tech Comopr 3
- Spring: 16 hrs
  - ETG 3541 Applied Mechanics 3
  - ETI 4635 Tech Admin 3
  - ETI 3390C Appl CAD 3
  - Upper level elective 3

**Summer**
- ETI 4700 Occup Safety 3
- ETI 4448 Applied Proj Mgmt 3

**Senior Year**
- Fall: 15 hrs
  - ETI 4205 App Logistics 3
  - ETG 4950C Sr Design Proj 3
  - ETI 4640 Operations Mgmt 3
  - EST 3543C PLC 3
  - Upper level elective 3
  - Upper level elective 3
  - Upper level elective 3
- Spring: 14 hrs
  - Upper level elective 4
  - Upper level elective 4
  - Upper level elective 4

**ENGLISH - CREATIVE WRITING (B.A.)**

College of Arts and Humanities

English Department, CNH 405


E-mail: english@ucf.edu

Contact: D. Wallace, 407-823-2212

**U.S.C Programs**

1. **UCF General Education Program** (36 hrs)
   - A. Communication Foundations
     - Select ENC 1101 and ENC 1102 6 hrs
     - Prefer SPC 1008 Fund of Oral Com 3 hrs
   - B. Cultural and Historical Foundations
     - Select one class from 1B.1 list 3 hrs
     - Prefer LIT 2110 World Literature I 3 hrs
     - Prefer LIT 2120 World Literature II 3 hrs
   - C. Mathematical Foundations
     - Prefer MGF 1106 Finite Mathematics or MGF 1107 3 hrs
     - (may substitute a higher level math)
     - Prefer STA 1060C Statistics Using Excel 3 hrs
   - D. Social Foundations 6 hrs
   - E. Science Foundations 6 hrs

2. **Common Program Prerequisites**
   - ENC 1101* Composition I
   - ENC 1102* Composition II
   - *See Transfer Notes for possible substitutes
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. **Core Requirements** (6 hrs)
   - CRW 3013 Creative Writing for English Majors
   - ENC 3014 Theory & Tech of Literary Study
   - This is a prerequisite for all 4000 level AML, ENL, ENL, or LIT courses

4. **Literary History Requirement** (12 hrs)
   - Choose four courses from these two groupings
   - a. Select at least one of these pre-1865 literature courses.
     - AML 3031 American Literature I
     - AML 3286 Early American Women's World
     - AML 3613 Narratives of Slavery
     - AML 3640 Native American Literature
     - AML 4304 Whitman & Heirs
     - ENL 2012 English Literature I
     - ENL 4220 English Renaissance Poetry and Prose
     - ENL 4230 Eighteenth Century Studies
     - ENL 4240 English Romantic Writers
     - ENL 4311 Chaucer
     - ENL 4333 Shakespeare
     - ENL 4341 Milton and His Age
     - LIT 4374 Literature of the Bible
     - a. Select at least one of these post 1865 literature courses
     - AML 3031 American Literature II
     - AML 3283 Contemp American Women's Fiction
     - AML 3614 Topics in African American Literature
     - AML 3615 Harlem, Haiti, and Havana
     - AML 3634 Contemp. Native American Prose and Poetry
     - AML 4101 American Novel
     - AML 4153 American Poetry at Mid-Century
     - AML 4155 Modern American Poetry
     - AML 4261 Literature of the South
     - AML 4265 Florida Writers
     - AML 4321 Modern American Literature
     - AML 4630 Latino/Latina Literature
     - ENL 2022 English Literature II
     - ENL 4101 English Novel
     - ENL 4253 The Victorian Age: Poetry
     - ENL 4262 Nineteenth Century British Prose
     - ENL 4273 Modern British Literature
     - LIT 3082 Continental European Fiction Since 1900
     - LIT 3192 Caribbean Literature
     - LIT 4043 Modern Drama as Literature
     - LIT 4184 Irish Literature
     - LIT 4303 Poet-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: 3 hrs
      - LIN 3010 Intro to Linguistics
      - LIN 4105 History of the English Language
      - LIN 4643 Cross Cultural Communication
      - LIN 4660 Linguistics and Literature
      - LIN 4680 Modern English Grammar
      - ENC 3121 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
      - ENL 4554 Advanced Feminist Theory
      - b. Choose two of the following: 6 hrs
         - CRW 3120 Fiction Writing Workshop
         - CRW 3211 Creative Nonfiction Writing
         - CRW 3310 Poetry Writing Workshop
         - CRW 3610 Writing Scripts
c. Choose two of the following: 6 hrs
CRW 4224 Adv Creative Nonfiction Writing
CRW 4320 Adv Poetry Writing Workshop
CRW 4616 Advanced Script Writing

*May take ENC 4360 instead of CRW 4224 but not both

d. Choose one of the following: 3 hrs
CRW 3311 Structure of Verse
CRW 3540 Literary Magazines
CRW 4114 History of Prose Style
or any 3000 or 4000 CRW course not used to fulfill another requirement

6. Departmental Exit Requirements
Maintain a minimum GPA of 2.0 in upper division required courses

7. Foreign Language Requirements
(0-8 hrs)
Admission: Met by graduation requirement
Graduation: Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
(variable)
Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, credit by Exam, and Armed Forces credits permitted

Acceptable Substitutes for common program prerequisites to the BA in Creative Writing if taken prior to transferring to UCF:
ENC 1101* & 1102*: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. ENC 1101 & 1102, however, are prerequisites for all subsequent English courses and will need to be taken for the major.

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

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

Freshman Year

Fall
ENC 1101 Composition I 3 hrs
HUM 2120* req# 1B1-GEP
MGF 1106* req# 1E1-GEP

Spring
ENG 3014 Theor Tech of St 3 hrs
ENL 2012* req# 4D1-LitHis

Sophomore Year

Fall
BSC 1005* req# 1E2-GEP
LIT 2120 World Lit II 3 hrs

Spring
ENG 3014 Theor Tech of St 3 hrs
ENL 2012* req# 4D1-LitHis

Junior Year

Fall
ENG 3014 Theor Tech of St 3 hrs
AML 3941* req# 4b-LitHis

Spring
ENG 3101 3 hrs
CRW 3120* req# 5b-ResEl

Elective* Check restrictions

Graduation:
Meet the Gordon Rule Requirement.
Meet the Foreign Language Admission Requirement.

1. UCF General Education Program (36 hrs)
A. Communication Foundation
1. ENC 1101 English Composition I 3 hrs
2. ENC 1102 English Composition II 3 hrs
3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundation
1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs
2. Select: LIT 2110 World Literature I 3 hrs
3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs

C. Mathematical Foundation
1. Prefer: MGF 1101 Finite Mathematics or MGF 1107 3 hrs
2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs

D. Social Foundation
1. Prefer: POS 2041 American National Government 3 hrs
2. Prefer: PSY 2012 General Psychology 3 hrs

E. Science Foundation
1. Prefer: PSC 1121 Physical Science 3 hrs
2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)
EDF 2095 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Note: In addition to EDF 2085, a minimum of six hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Other Program Requirements (12 hrs)
EDF 2130 Child & Adolescent Development for Educators 3 hrs
LIT 2110 World Literature I 3 hrs
LIT 2120 World Literature II 3 hrs
ENL 2012 English Literature I 3 hrs
ENL 2022 English Literature II 3 hrs
4. Education Core Requirements (21 hrs)
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4084 Theory and Practice of Teaching ESL 3 hrs
Students in Schools
EEX 4242 Teaching Exceptional Students in Sec Settings 3 hrs
RED 4043 Content Reading Kindergarten through Grade 12 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
**Prerequisite for Internship I

5. Specialization Requirements (21 hrs)
CRW 3013 Intro Creative Writing 3 hrs
ENG 3014 Theories of Literature 3 hrs
AML 3031 American Literature I 3 hrs
AML 3041 American Literature II 3 hrs
ENC 3111 Advanced Expository Writing or LIN 4105 History of English Language 3 hrs
Upper Division Elective with RED, LAE, EDG, or EDF prefix 3 hrs
LAE 4464 Introduction to Adolescent Literature 3 hrs

Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4084 Theory and Practice of Teaching ESL, and LAE 4464 Introduction to Adolescent Literature with a letter grade of "C" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4084 Theory and Practice of Teaching ESL Students in Schools.

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

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

All methods courses and at least 80% of all specialization courses must be completed with a grade of "C" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

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

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-5.006b.

Passing score on the Subject Area Examination (English 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

7. Internship II (12 hrs)
LAE 4941 Internship II 12 hrs

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

9. Departmental Exit Requirements

Achieve a minimum 2.5 GPA in all courses within the major.

Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

Complete a TESOL notebook as required for ESOL endorsement.

Pass all applicable sections of the Florida Teacher Certification Examination.

10. University Minimum Exit Requirements

A 2.0 UCF GPA
48 semester hours of upper division credit completed
30 of the last 36 hours of course work must be completed in residency at UCF
25% of course work must be completed in residency at UCF
Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Semester Hours Required 120 hrs
Consult with your Education advisor and review your degree audit for more recent information.

Program Academic Learning Compacts

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

12. Recommended Four Year Sequence of Courses

Freshman Year
Fall 12 hrs
EDF 2005 Intro to the Teaching Prof 3
ENC 1101 English Composition I 3
ENG 2085 Intro to Diversity for Ed* 3
Spring 12 hrs
EDF 2085 Intro to Diversity for Ed 3
ENC 1102 English Composition II 3
MGF 1106 Finite Mathematics 3
PSY 2012 General Psychology 3

Sophomore Year
Fall 15 hrs
AMH 2010 U.S. History 1492-1877 3
ANT 2511 The Human Species or EPC 1005 Biological Principles 3
LIN 4105 History of Eng Lang 3
LIT 2120 World Literature II 3
Summer 6 hrs
ENG 2040 Intro to Tech for Educators 3
LIT 2110 World Literature I 3

Fall 15 hrs
LIT 2110 World Literature I 3
LIT 2120 World Literature II 3
EDF 2130 Child & Adolesc Dev for Ed* 3
EME 2040 Intro to Tech for Educators 3

Junior Year
Fall 12 hrs
CRW 3013 Intro Creative Writing 3
TSL 4240 Issues in Second Language Acquisition 3
EDF 4467 Learn Theory & Assmt 3
EDG 4410 Teach Strat & Class Mgmt 3
LAE 4242 Intro to Adol Literature 3

Summer 12 hrs
TSL 4080 Theory & Prac of Teach ESL 3
Students in Schools
ENL 2022 English Literature II 3

Senior Year
Fall 12 hrs
LAE 3940 Internship I 3
LAE 4360 Eng Instructional Anal 3
LAE 4342 Teach Lang/Composition 3
EEX 4242 Teach Ex Stud in Sec Settings 3

Spring 12 hrs
LAE 3940 Internship I 3
LAE 4941 Intern II 12 hrs

Senior Year
Fall 8 hrs
EDF 2005 Intro to the Teaching Prof 3
ENC 1101 English Composition I 3
ENG 2085 Intro to Diversity for Ed 3
LAE 3940 Internship I 3
LAE 4360 Eng Instructional Anal 3
LAE 4342 Teach Lang/Composition 3
EEX 4242 Teach Ex Stud in Sec Settings 3

ENGLISH - LITERATURE (B.A.)
College of Arts and Humanities
English Department, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-2212

Admission Requirements

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.

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Note: Community college transfer students may substitute a 2XXX elective.

UCF Degree Programs

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UCF Degree Programs

- Co-op or internship credit is not accepted in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Honors in English Degree: Additional Requirements (9 hrs)
Application and admission through the English Honors Committee and the Honors College
Fullfill University requirements for Honors in the Major
Grade of “B” (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
Successful completion and oral defense of honors thesis

1. UCF General Education Program (36 hrs)
A. Communication Foundations
Select ENC 1101 and ENC 1102
Prefer SPC 1508 Fund of Oral Com
B. Cultural and Historical Foundations
Select one class from 1.B.1 list
Prefer LIT 2110 World Literature I
Prefer LIT 2120 World Literature II
C. Mathematical Foundations
Select MGF 1108 Finite Mathematics or MGF 1107 (may substitute a higher level math)
Prefer STA 1060C Statistics Using Excel
D. Social Foundations
6 hrs
E. Science Foundations
6 hrs

2. Common Program Prerequisites
ENC 1101*Composition I
ENC 1102*Composition II
*See Transfer Notes for possible substitutes
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core - Gateway Courses (6 hrs)
a. Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses
ENG 3014 Theory & Tech of Literary Study
b. Choose one gateway course:
CRW 3013 Creative Writing for English Majors
ENC 3211 Theory & Practice of Tech Writing

4. Literary History Requirement (15 hrs)
Choose five courses from the two groupings
a. Select at least two of these pre-1865 literature courses.
AML 3031 American Literature I
AML 3286 Early American Women's Words
AML 3613 Narratives of Slavery
AML 3640 Native American Literature
AML 4304 Whitman & Heirs
ENL 2012 English Literature I
ENL 4220 English Renaissance Poetry and Prose
ENL 4230 Eighteenth Century Studies
ENL 4240 English Romantic Writers
LIT 4374 Literature of the Bible
b. Select at least two of these post 1865 literature courses
AML 3041 American Literature II
AML 3283 Contemp American Women's Fiction
AML 3614 Topics in African American Literature
AML 3615 Harlem, Haiti, and Havana
AML 3643 Contemp. Native American Prose and Poetry
AML 4101 American Novel
AML 4153 American Poetry at Mid-Century
AML 4155 Modern American Poetry
AML 4261 Literature of the South
AML 4265 Florida Writers
AML 4271 American Poetry and Music
AML 4630 Latino/Latina Literature
ENL 2022 English Literature II
ENL 4101 English Novel
ENL 4253 The Victorian Age: Poetry
ENL 4262 Nineteenth Century British Prose
ENL 4273 Modern British Literature
LIT 3062 Continental European Fiction Since 1900
LIT 3192 Caribbean Literature
LIT 4043 Modern Drama as Literature
LIT 4184 Irish Literature
LIT 4303 Post-World War II Fiction

Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

5. Upper Division Requirements (15 hrs)
a. Choose one single author or major author course
AML 4010 British Authors
AML 4300 Major American Authors
AML 4303 British Authors
ENL 4311 Chaucer
ENL 4314 Milton
ENL 4333 Shakespeare
LIT 4244 World Authors
b. Choose one linguistics or theory course
ENG 3010 Principles of Linguistics
LIN 4105 History of the English Language
LIN 4643 Cross Cultural Communication
LIN 4660 Linguistics and Literature
LIN 4680 Modern English Grammar
LIT 4554 Advanced Feminist Theory
c. Choose three upper level courses
AML, ENL, or LIT prefix

6. Departmental Exit Requirements
Maintain a minimum GPA of 2.0 in upper division required courses.

7. Foreign Language Requirements (0-8 hrs)
Admission: Met by graduation requirement
Graduation: Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Creative Writing, Technical Communication
Related Minors: Creative Writing, Linguistics, Technical Communication, Writing

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites to the BA in Literature if taken prior to transferring to UCF:
- ENC 1101* & 1102*: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

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

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

College of Arts and Humanities

English Department, CNH 405
http://english.cah.ucf.edu

E-mail: english@ucf.edu

Contact: D. Wallace, 407-823-2212

**Admission Requirements**  none

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**Honors in English Degree: Additional Requirements**  (9 hrs)

- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of "B" (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of honors thesis.

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
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<tr>
<td>Fall</td>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>HUM 2202</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>MGF 1100</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>POS 2041</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>SPC 1608</td>
<td>Composition I</td>
<td>3</td>
</tr>
</tbody>
</table>

*See Transfer Notes for possible substitutes

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>CHM 1020</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>ENC 1104</td>
<td>Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

**3. Core courses - Basic**  (6 hrs)

Choose one of the following:  

- ENC 3211 Theory & Practice of Technical Writing  
- ENC 3241 Writing for the Technical Professional

Choose one of the following:  

- ENG 3014 Theory & Tech of Literary Study  
- 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 3286 Early American Women's Words
  - AML 3613 Narratives of Slavery
  - AML 3640 Native American Literature
  - AML 4304 Whiten & 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 3643 Contemp, Native American Prose and Poetry
  - AML 4101 American Novel
  - AML 4153 American Poetry at Mid-Century
  - AML 4155 Modern American Poetry
  - AML 4261 Literature of the South
  - AML 4265 Florida Writers
  - AML 4321 Modern American Literature
  - AML 4630 Latino/Latina Literature
  - ENL 2022 English Literature I
  - ENL 4101 English Novel
  - ENL 4253 The Victorian Age: Poetry
  - ENL 4262 Nineteenth Century British Prose
  - ENL 4273 Modern British Literature
  - LIT 3082 Continental European Fiction Since 1900
  - LIT 3192 Caribbean Literature
  - LIT 4043 Modern Drama as Literature
  - LIT 4184 Irish Literature
  - LIT 4303 Post-World War II Fiction

**5. Core Requirements - Advanced**  (15 hrs)

Choose one of the following:

- ENC 4206 Technical Writing Style  
- ENC 4293 Documentation and the Collaborative Process  
- ENC 4294 Documentation and Client-Based Collaboration  
- LIT 4433 Literature of Science and Technology

**6. Restricted Upper Division Electives**  (3 hrs)

Choose one of the following:

- ENC 4215 Technical Publication and Project Management  
- ENC 4218 The Visual in Technical Communication

**7. Departmental Exit Requirements**

- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of ENC 4293

**8. Foreign Language Requirements**  (0-8 hrs)

**Admission:** Met by graduation requirement

**Graduation:** Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.
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 hrs

Related Programs: Creative Writing, Literature
Related Minors: Creative Writing, Literature, Linguistics, Technical Communication, Writing

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

Acceptable Substitutes for common program prerequisites to the BA in Technical Writing if Social Science (if prior to transferring)
- ENC 1101* & 1102*: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

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

ENVIRONMENTAL ENGINEERING (B.S.Env.E.)
College of Engineering and Computer Science
Civil, Environmental, and Construction Engineering Department (CECE)
ENG2 211, 407-823-2841; Fax: 407-823-3315
http://www.cece.ucf.edu
Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl, E-mail: cpoohl@mail.ucf.edu; Environmental Program Director: Andrew A. Randall, Ph.D., P.E., E-mail: randall@mail.ucf.edu

Admission Requirements: none

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

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

Engineering Students

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

A. Communication Foundations 9 hrs
   1. ENC 1101 & ENC 1102
   2. Prefer SPC 1103

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

C. Mathematical Foundations 7 hrs
   1. Select MAC 2311 (PR: MAC 1144)
   2. Select STA 3023 (PR: MAC 2312)

D. Social Foundations 6 hrs
   1. Select ECO 2013 or ECO 2023.

E. Science Foundations 7 hrs
   1. Select PHY 2048/48L (PR: MAC 2311)
   2. Prefer GEO 1200

(Note: Environmental Engineering Majors must satisfy both an Earth Science requirement AND a Biological Science requirement.

2. Common Program Prerequisites (CPP’s) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C/45L Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>or CHS 1440 Fund of Chemistry for Engineers or CHM 2040C and CHM 2041C</td>
<td></td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048/48L Physics for Engineers &amp; Scientists I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049/49L Physics for Engineers &amp; Scientists II</td>
<td>GEP</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>GEP</td>
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<tr>
<td>ENC 1102 Composition II</td>
<td>GEP</td>
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<tr>
<td>Humanities Courses</td>
<td>GEP</td>
</tr>
<tr>
<td>Social Science Courses</td>
<td>GEP</td>
</tr>
</tbody>
</table>

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

3. Courses Required for the Major (57 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do satisfy major requirements and normally are awarded grades of I, S, or U. A “C” (2.0) better is required for those courses in section 3. marked with an asterisk(*).

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EGN 1006C Intro to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C Engineering Concepts &amp; Methods</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I w/Lab</td>
<td>CPP</td>
</tr>
<tr>
<td>CHM 2046/46L Chemistry Fundamentals II w/Lab</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EGN 1006C Engineering Concepts &amp; Methods</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C Engineering Concepts &amp; Methods</td>
<td>1 hr</td>
</tr>
</tbody>
</table>
Environmental Engineering - 128 semester hours required

FIRST YEAR
Fall 14 hrs1,2  Spring 15 hrs1,2
- ENC 1101 English Comp I 3  - ENC 1102 English Comp II 3
- MAC 2311 Calc w/Analy Geo I 4  - MAC 2312 Calc w/Analy Geo II 4
- ECO 2023 Microeconomics 3  - PHYS 2049 Phys Engr I w/lab 4
- MAC 1105 College Algebra 3  - *Earth Science 1
*Biological Science 3  - EGN 1007C Eng Conc & Meth 1
EGN 1006C Intro to Engr 1

SECOND YEAR
Fall 16 hrs1  Spring 17 hrs1
- MAC 2313 Calc w/Analy Geo III 4  - MAP 2302 Diff Equations 3
- CHM 2450 Chemistry Funds I 4  - CHM 246L Chem Fund I w/lab 4
*HUM/AMH/EUH I 3  - PHYS 2049 Phys Engr I w/lab 3
EGN 3310 Engr Anal-Statics 3  - HUM/AMH/EUH II 3
EGN 3613 Engr Econ Anal 3  - EGN 3211 Engr Anal-Dynamics 3
Summer 9 hrs 1
*SPC 1603 Tech Presentations 3  EGN 3343 Thermodynamics 3
EGN 3301 Intro to Environ Eng 3

THIRD YEAR
Fall 16 hrs  Spring 16 hrs
- CWR 3201 Engr Fluid Mech 3  - CWR 4101C Hydrology 3
- EGN 3331 Mech of Materials 3  - CWR 4203C Hydraulics 3
- STA 3032 Probility/Stats for Engr 3  - Technical Elective 4
ENV 4541 Solid/ Haz Waste 4  *Cultural Elective 3
CCE 4003 Intro to Constr Indus 3  - EGN 3370 Prim Elec Eng 3

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
2. EGN 1005C and EGN 1007C are required courses for incoming freshmen only.
3. 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.
4. Students must earn a minimum grade of "C" (2.0) in EGN 3310 or its equivalent and ENV 3001 or its equivalent before registering for subsequent courses.

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
2. EGN 1005C and EGN 1007C are required courses for incoming freshmen only.
3. 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.
4. Students must earn a minimum grade of "C" (2.0) in EGN 3310 or its equivalent and ENV 3001 or its equivalent before registering for subsequent courses.

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
2. EGN 1005C and EGN 1007C are required courses for incoming freshmen only.
3. 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.
4. Students must earn a minimum grade of "C" (2.0) in EGN 3310 or its equivalent and ENV 3001 or its equivalent before registering for subsequent courses.
## UCF Degree Programs

### 6. Event Management Core  
(27 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2750</td>
<td>The Event Industry</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3670</td>
<td>Hospitality &amp; Event Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3512</td>
<td>Event Promotion</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3443</td>
<td>Event Technology</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3792</td>
<td>Event Design &amp; Production</td>
<td>3</td>
</tr>
<tr>
<td>FSS 2221C</td>
<td>Quantity Food Production</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4862</td>
<td>Catering Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4757</td>
<td>Event Management I</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4791</td>
<td>Event Management II</td>
<td>3</td>
</tr>
</tbody>
</table>

**7. Special College Requirements:**

- Final exams will be given during Final Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

### 8. Restricted Electives  
(15 hrs)

**Choose any five courses from the list below**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3741</td>
<td>Meeting Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4754</td>
<td>Exhibit and Trade Show Operations</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3517</td>
<td>Convention Sales</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4753</td>
<td>Convention Services</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3798</td>
<td>Fairs and Festivals</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4561</td>
<td>Destination Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4736</td>
<td>Destination Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4796</td>
<td>International Events</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4375</td>
<td>Advanced Trade Show Management</td>
<td></td>
</tr>
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</table>

**9. Foreign Language Requirements**  
(0-8 hrs)

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

**10. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

**11. Unrestricted Electives**  
(3-11 hrs)

As necessary to result in 120 total credit hours.

**Total Semester Hours Required**  
120 hrs

**Community/Junior College Transfer Notes**

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

**Program Academic Learning Compacts**

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

**Equipment Fee**

- Full-time Student: $75 per term
- Part-time Student: $37.50 per term

**FOUR YEAR PLAN OF STUDY FOR EVENT MANAGEMENT**

*Plan your required nine summer credit hours into your course of study.

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 hrs</td>
<td>15 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>ENC 1102</td>
</tr>
<tr>
<td>3 hrs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>SPC 1608</td>
</tr>
<tr>
<td>3 hrs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2750</td>
<td>HFT 2750</td>
</tr>
<tr>
<td>3 hrs</td>
<td>3 hrs</td>
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**Sophomore Year**

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<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>15 hrs</td>
<td>15 hrs</td>
</tr>
<tr>
<td>Science Found</td>
<td>Science Found</td>
</tr>
<tr>
<td>3 hrs</td>
<td>3 hrs</td>
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<tr>
<td>ECO 2013 or ECO 2023</td>
<td>HFT 2200</td>
</tr>
<tr>
<td>3 hrs</td>
<td>3 hrs</td>
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<tr>
<td>HFT 2500</td>
<td>HFT 2500</td>
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<tr>
<td>3 hrs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3443 Event Tech</td>
<td>Cult/Hist Foundation</td>
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<tr>
<td>3 hrs</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3670 HosEvt Risk</td>
<td>HFT 3512 Event Promo</td>
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<tr>
<td>3 hrs</td>
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**Junior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 hrs</td>
<td>16 hrs</td>
</tr>
<tr>
<td>HFT 3792 Event Design</td>
<td>HFT 4862</td>
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<tr>
<td>3 hrs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2221C</td>
<td>HFT 4286</td>
</tr>
<tr>
<td>3 hrs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>HFT 4464</td>
</tr>
<tr>
<td>3 hrs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2254</td>
<td>HFT 4911</td>
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<tr>
<td>3 hrs</td>
<td>1 hrs</td>
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<tr>
<td>HFT 3940</td>
<td>Hosp Event Elective</td>
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<tr>
<td>1 hrs</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3540</td>
<td>Hosp Event Elective</td>
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<tr>
<td>3 hrs</td>
<td>3 hrs</td>
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<tr>
<td>Free electives</td>
<td>Hosp Event elective</td>
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<tr>
<td>6 hrs</td>
<td>3 hrs</td>
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**Senior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>13 hrs</td>
<td>15 hrs</td>
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<tr>
<td>HFT 4757</td>
<td>HFT 4791 Event Mgmnt</td>
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<tr>
<td>3 hrs</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4944</td>
<td>HFT 3933</td>
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<tr>
<td>1 hrs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Hosp Event Elective</td>
<td>Hosp Event Elective</td>
</tr>
<tr>
<td>3 hrs</td>
<td>3 hrs</td>
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<tr>
<td>Free electives</td>
<td>Hosp Event elective</td>
</tr>
<tr>
<td>6 hrs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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**EXCEPTIONAL STUDENT EDUCATION (B.S.)**

**College of Education**

Department of Child, Family and Community Sciences

**ED 209**

http://www.education.ucf.edu/

**Program Contact:** Linda Alexander, 407-823-2598; E-mail: lalexand@mail.ucf.edu

**Program Coordinator:** Dr. Lee Cross; E-mail: lcross@mail.ucf.edu

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

**Degree Requirements**

- Students should seek advising through the Exceptional Education faculty prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.
- Passing scores on ALL three applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for available test dates and test sites.
  - FTCE General Knowledge Test (GKT) – Passing score required prior to Internship I
  - FTCE Professional Education Test (PEd). FTCE Subject Area Examination for Exceptional Student Education K-12.
  - Must take and pass one of the following content area subject area examinations
    - Elementary K-5 or Secondary 6-12 or Integrated Curriculum 6-9
  - Students must earn a “C-”(1.75) or better in each required Exceptional Education course

**1. UCF General Education Program**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>HFT 2750</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

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**UNIVERSITY OF CENTRAL FLORIDA**

2009-2010 Undergraduate Catalog

164
B. Cultural-Historical Foundation  
1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs 
2. Prefer: LIT 2110 World Literature I or LIT 2120 World Literature II or PHI 2030 Introduction to Philosophy, or REL 2300 World Religion 3 hrs 
3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs 
4. Prefer: POS 2041 American National Government 3 hrs 
5. Prefer: PSY 2012 General Psychology 3 hrs 
6. Prefer: STA 2108 Introduction to Probability and Statistics 3 hrs 

C. Mathematical Foundation  
1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs 
2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs 

D. Social Foundation  
1. Prefer: POS 2041 American National Government 3 hrs 
2. Prefer: PSY 2012 General Psychology 3 hrs 
3. Prefer: STA 2010C Mathematical Reasoning 3 hrs 

E. Science Foundation  
1. Prefer: PSC 1121 Physical Science 3 hrs 
2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs 

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Exceptional Education Program Recommended Sequence of Required Courses

Exceptional Education majors take a variety of courses related to children, adolescents, and adults with special needs, and their learning, development, and family environment. Students majoring in Exceptional Education take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance theExceptional Education major’s program and to integrate theory and practice in actual school settings. Throughout the Exceptional Education program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty.

Semester I  
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130*</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2720*</td>
<td>Children in Schools: Legal, Ethical and Safety Concerns</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 2010</td>
<td>Introduction to Special Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 2758*</td>
<td>Enhancing Family Involvement in Education</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MAE 2801</td>
<td>Elementary School Mathematics</td>
<td>4 hrs</td>
</tr>
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</table>

Semester II  
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 3410</td>
<td>Basic Foundations of Reading</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080*</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*Courses to be taken prior to Internship I

Semester III (Summer)  
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EED 4410*</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3241*</td>
<td>Methods of Academic Skills for Exceptional Students</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Semester IV  
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EEX 4942</td>
<td>Internship I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4601*</td>
<td>Introduction to Behavior Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4763</td>
<td>Technology for Classroom Teachers of Students with Special Needs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4942</td>
<td>Pract for Assessment and Instruct of Reading</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

6. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a LiveText portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination (FTCE).

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Total Semester Hours Required  
120 hrs

Program Academic Learning Compacts

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

9. Recommended Four-Year Sequence of Courses

Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.
# UCF Degree Programs

## Freshman Year

### Fall 12 hrs
- EDF 2005 Intro to the Teaching Prof 3
- ENC 1101 English Composition I 3
- MGF 1106 Finite Mathematics 3
- PSY 2012 General Psychology 3

### Spring 15 hrs
- EDF 2085 Intro to Diversity for Ed 3
- ENC 1102 English Composition II 3
- EDF 2130 Child and Adolesc Dev Ed 3
- REL 2300 World Religions or 3
  - Phil 2100 Intro to Philosophy or
  - LIT 2110 World Lit I or
  - LIT 2120 World Lit II

## Sophomore Year

### Fall 6 hrs
- POS 2041 American National Gov 3
- EME 2040 Intro to Tech for Educators 3
- LIT 2120 World Lit II 3

### Spring 12 hrs
- BSC 1005 Biological Principles 3
- PHI 2010 Intro to Philosophy 3
- PSY 2012 General Psychology 3
- PSC 1121 Physical Science 3

## Junior Year

### Fall 12 hrs
- EEX 3221 Assess of Exceptional Stud 3
- EDF 2005 Intro to the Teaching Prof 3
- ENC 1102 English Composition II 3

### Spring 15 hrs
- EDF 2130 Child and Adolesc Dev Ed 3
- EDF 2720 Child in Sch: Legal, Ethical and Safety Concerns 3
- EEX 2010 Intro to Special Ed 3
- EEX 2758 Enhance Fmly Involve Ed 2

## Senior Year

### Fall 15 hrs
- EDF 2720 Child and Adolesc Dev Ed 3
- EED 2085 Intro to Diversity for Ed 3
- REL 2300 World Religions or 3

### Spring 12 hrs
- EED 2720 Child and Adolesc Dev Ed 3
- EED 2130 Child and Adolesc Dev Ed 3
- REL 2300 World Religions or 3
- Phil 2100 Intro to Philosophy or
- LIT 2110 World Lit I or
- LIT 2120 World Lit II

### Summer 3 hrs
- STA 1060C Basic Stats using MS Excel 3

**Note:** A passing score on the FTCE General Knowledge Test (GKT) portion of the Florida Teacher Certification Examination is required prior to admission to the Exceptional Education Program.

## Admission Requirements

- The Film BFA major is a limited access program.
- Exceptions must be approved by Department Chair.
- Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film BFA major.
- Contact the Film Department for details or visit the Web site, [http://www.film.ucf.edu](http://www.film.ucf.edu).

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.

- Students are required to maintain an overall average grade of “B” (3.0) or better in Film major courses.
- A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be counted within the 120 credit hours required for graduation.
- Students must consult with a departmental advisor each semester.
- All students are required to pay a fee for equipment insurance.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- The Film BFA demands a closely integrated curriculum.
- Therefore, transfers are not generally encouraged to pursue a BFA program. However, exceptionally talented students who have completed the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System may be admitted.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations 3 hrs
  - Prefer one class from 1.B.1 list 3 hrs
  - Prefer FIL 2030 3 hrs
- C. Mathematical Foundations 3 hrs
  - Select MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
  - Prefer CGS 1060C 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

### 2. Common Program Prerequisites (3 hrs)

- FIL 2030* History of the Motion Pictures GEP 3 hrs

*See Transfer Notes for possible substitutions

### 3. Lower Level Core Requirements (21 hrs)

- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 2109 Cinematic Expression for Majors 3 hrs
- FIL 2552 Editing I 3 hrs
- FIL 2481 Directing I 3 hrs
- FIL 2461 Cinematography I 3 hrs
- FIL 2481 Directing the Actor for Film I 3 hrs

### 4. Upper Level Core Requirements (36 hrs)

- FIL 3115 Short Script I 3 hrs
- FIL 3132 Short Script II 3 hrs
- FIL 3427C Intro to Film Production 3 hrs
- FIL 3534 Sound Design for Film I 3 hrs
- FIL 3536 Film History I 3 hrs
- FIL 3537 Film History II 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL 3922 Film Colloquium 6 hrs
- FIL 4486C Directing II 3 hrs
- FIL 4461 The Film Producer 3 hrs
- FIL 4647 Film Production Management 3 hrs

### 5. Upper Level Restricted Electives (12 hrs)

- Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of six hours of independent Study may be substituted with advisor’s prior approval.

#### Production/Direction

- DIG 4704C Interactive Entertainment 3 hrs
- FIL 3922 The Film Producer 3 hrs
- FIL 4472C Cinematography II 3 hrs
- FIL 4535C Sound Design for Film II 3 hrs
- FIL 4536 Sound Design for Film III 3 hrs

#### Screen Writing

- FIL 4103 Adaptation 3 hrs
- FIL 4162C FeatureTV Writing 3 hrs
- FIL 4163C FeatureTV Writing II 3 hrs
- FIL 4113C Interactive Writing I 3 hrs
FIL 4436 Film Theory
FIL 3871 American Film Artist
FIL 3826 American Cinema
FIL 3822 French Film
FIL 3820 Italian Film
FIL 3847 Latin American Cinema
FIL 3824 Italian Neo-Realist Cinema
FIL 4436C Capstone I 3 hrs
FIL 2030* History of the Motion Pictures GEP

6. Capstone Courses (6 hrs)
FIL 4434C Capstone I 3 hrs
FIL 4435C Capstone II 3 hrs

7. Departmental Exit Requirements
- A student must maintain an overall average of “B” (3.0) or better in major courses.
- Computer competency met by CGS 1060C or STA1060C or FIL 2552.
- Department of Film requires an exit interview.

8. Foreign Language Requirements (0-8 hrs)
Admission: Met by graduation requirement
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

9. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

10. University Minimum Exit Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

Related Programs: Animation, Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre, Radio/TV, World Cinema
Related Minors: Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable substitutes for Common Program Prerequisites
- FIL 2030 may substitute FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and must still be taken.
- FIL 1007 may use any introductory film writing course. However, FIL 1007 is a prerequisite for all major courses and must be taken.
4. Restricted Upper Division Electives (9 hrs)
Select three courses from the following upper level FIL courses:
DIG 4855C Converging Media
DIG 4704C Interactive Entertainment
FIL 3850 Cinema Director
FIL 3880C Women in Film
FIL 3041 History of Animated Films
FIL 3831 Black Cinema
FIL 3841 French New Wave Cinema
FIL 3824 Italian Neo-Realist Cinema
FIL 3847 Latin American Cinema
FIL 3841 International Cinema
FIL 3820 Italian Film
FIL 3822 French Film
FIL 3823 German Film
FIL 3852 Cinema Criticism (writing)
FIL 3871 American Film Artist
FIL 4436 Film Theory/Film Production
FIL 4906 Independent Study
FIL 5012 Film and Internet Business

(a maximum of six hours Independent Study may be used)

5. Required Minor (18 hrs min)
Must be taken outside the Film Department.

6. Departmental Exit Requirements
■ A student must maintain an overall average of “B” (3.0) or better in major courses.
■ Computer competency met by CGS1060 or STA1060C or FIL 1007.

7. Foreign Language Requirements (0-8 hrs)
Admission: Met by graduation requirement.
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable)
Select primarily from upper division courses, with departmental advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 36 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
■ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Animation, Art, Creative Writing, Film, Music, Theatre, Radio/TV
Related Minors: Art, Creative Writing, Music, Theatre

Transfer Notes:
■ Courses taken at community colleges do not substitute for Upper Division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Common Program Prerequisites
■ FIL 2030 may substitute FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
■ FIL 1007 may use any introductory course. However, FIL 1007 is a prerequisite for all Cinema Studies courses and must be taken.

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

Equipment Fee
■ Full-time Student ............................... $90 per term
■ Part-time Student ................................. $45 per term

FILM - WORLD CINEMA TRACK (B.A.)
College of Arts and Humanities
Film, COMM 121, 407-823-4285
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu
Department Chair: S. Schlow, 407-823-2845

Admission Requirements
■ Limited Access
■ The Film-World Cinema track is a limited access program.
■ Students must maintain an overall minimum 2.5 GPA before applying.
■ Students should apply to become Film majors only after completing all requirements for admission to the University.
■ A portfolio and an interview are required for entry into the Film World Cinema track.

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students are required to maintain an overall average grade of “B” (3.0) or better in courses within the major.
■ A maximum of three credit hours on internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
■ Students should consult with a departmental advisor.
■ All students are required to pay a fee for equipment insurance.
■ Departmental residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations
      Prefer one course from 1.B.1 list
      Prefer FIL 2030
   C. Mathematical Foundations
      Prefer MGF 1106 or MGF 1107
      (may substitute a higher level math)
      Prefer CGS 1060C or STA 1060C 3 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

2. Common Program Requirements (3 hrs)
   FIL 2030* History of Motion Pictures
   FIL 1007* Foundations of Story
   *See Transfer Notes for possible substitutions
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (57 hrs)
   DIG 2000 Introduction to Digital Media
   FIL 1009 Cinematic Expression for Majors
   FIL 2107 Script Analysis
   FIL 2461 Cinematography I
   FIL 2480 Directing I
   FIL 2552 Editing I
   FIL 3115 Short Script I
   FIL 3427C Introduction to Film Production
   FIL 3534 Sound Design for Film I
   FIL 3563C Film Documentary
   FIL 3504C Documentary Vision
   FIL 3307 Docudrama
   FIL 3306 Film History I
   FIL 3303C Film Theory and Criticism I
   FIL 3845 World Cinema Traditions
   FIL 4301C Documentary Workshop I
   FIL 4302C Documentary Workshop II
   FIL 5020 Film Business
   FIL 4647 Film Production Management

4. Upper Level Restricted Electives (9 hrs)
Select three of the following
FIL 3804C Film Theory and Criticism II
FIL 3847 Latin American Cinema
FIL 4844 African Cinema
FIL 4908 Images & Text in Context
FIL 4661 The Film Producer

Additional courses may be acceptable. Consult your advisor.
5. Capstone (6 hrs)
   FIL 4434C Capstone I                                3 hrs
   FIL 4573C Capstone II                               3 hrs

6. Departmental Exit Requirements
   • A student must maintain an overall average of “B” (3.0) or better in courses within the major.
   • Computer competency met by CGS 1060C or STA 1060C or FIL 2552.
   • Department of Film requires a passing grade on an exit examination.

7. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement.
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements
   • A 2.0 UCF GPA
   • 60 semester hours earned after CLEP awarded
   • 48 semester hours of upper division credit completed
   • 30 of the last 36 hours of course work must be completed in residency at UCF
   • A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   • Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

Related Programs: Animation, Art, Cinema Studies, Creative Writing, Film, Digital Media, Music, Radio/TV, Theatre.
Related Minors: Cinema Studies, Creative Writing, Digital Media, African American Studies, Women Studies, Latin American Studies, Asian Studies, International and Global Studies

Transfer Notes:
• Courses taken at community colleges do not substitute for Upper Division courses.
• Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Common Program Prerequisites
• FIL 2030 may substitute FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
• FIL 1007 may use any introductory Film writing course. However FIL 1007 is a prerequisite for all major courses and must be taken

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

Equipment Fee
• Full-time Student ............................................ $90 per term
• Part-time Student ............................................. $45 per term

FINANCE (B.S.B.A.)
College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu/finance

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

Admissions Requirements
• Completion of the UCF General Education Program, and Gordon Rule, or an AA degree from a Florida public community college
• See Common Program Prerequisites

Degree Requirements
1. UCF General Education Program (36 hrs)
   A. Communications Foundations                              9 hrs
      Preferred: SPC 1608 Fund of Oral Communication
   B. Cultural and Historical Foundations                     9 hrs

C. Mathematical Foundations
   Select MAC 1140 Pre-Calculus                               3 hrs
   Select CSE 2100C Computer Fund for Business                3 hrs

D. Social Foundations
   Select ECO 2013 or ECO 2023                                3 hrs
   Select one: PSY 2012, SYG 2000, ANT 2000                   3 hrs

E. Science Foundations                                       6 hrs

2. Common Program Prerequisites (18-21 hrs)
   Must be completed with a “C” (2.0) or better.
   ACG 2021 Principles of Financial Accounting                3 hrs
   ACG 2071 Principles of Managerial Accounting               3 hrs
   ECO 2013 Principles of Macroeconomics                       3 hrs
   ECO 2023 Principles of Microeconomics                       3 hrs
   ECO 3401 Quantitative Business Tools I                      3 hrs
   CGS 2100C Computer Fundamentals for Business                3 hrs
   *At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.

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

3. Core Classes (36 hrs)
   First or subsequent semester in the College of Business Administration:
   GEB 3031 Cornerstone (Required in 1st or 2nd semester)      4 hrs
   GEB 3375 Introduction to International Business            4 hrs
   BUL 3130 Legal & Ethical Environments of Business          4 hrs
   ECO 3411 Quantitative Business Tools II                    4 hrs
   FIN 303C Business Finance                                  4 hrs
   MAN 3025 Management of Organizations                      4 hrs
   ISM 411C Essentials of Management Information Systems     4 hrs
   MAR 3023 Marketing                                        4 hrs
   Last Semester:
   MAN 4720 Strategic Management                             4 hrs

4. Special College and/or Department Requirements
   • Students who change degree programs and select this major must adopt the most current catalog.
   • Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
   • Students wanting to major in finance must apply for admission to the major.
   • Final exams will be given during exam week.
   • Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   • A maximum of 6 hours of required or elective coursework (from sections 5 and 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. FIN 3403C is included in this requirement.
   • Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses (18 hrs)
   Select two of the following:
   FIN 4313 Management of Financial Institutions              3 hrs
   FIN 4324 Commercial Bank Management                         3 hrs
   FIN 4422 Adv Topics in Financial Management                3 hrs
   FIN 4514 Portfolio Analysis and Management                  3 hrs
   FIN 4533 Financial Derivatives                               3 hrs
   FIN 4604 International Financial Management                 3 hrs

6. Restricted Electives (6 hrs)
   Select two 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 4412 Economic Statistics and Econometrics                3 hrs
   FIN 3461 Financial Statement Analysis                        3 hrs
   FIN 4313 Management of Financial Institutions                3 hrs
   FIN 4324 Commercial Bank Management I                       3 hrs
   FIN 4424 Adv Topics in Financial Management                  3 hrs
   FIN 4514 Portfolio Analysis and Management                   3 hrs
   FIN 4533 Financial Derivatives                               3 hrs
   FIN 4604 International Financial Management                 3 hrs
7. Foreign Language Requirements (0-8 hrs)

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

Graduation: none

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

9. Electives*** (variable)

Total Semester Hours Required 120 hrs

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

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

Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.

ACG X001 and X011 will substitute for ACG 2021 at UCF.

Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Program Academic Learning Compacts

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

Equipment Fee

- Full-time Student .................................................. $30 per term
- Part-time Student .................................................. $15 per term

FIVE YEAR PLAN OF STUDY - FINANCE

Freshman
1st Term 15 hrs 2nd Term 15 hrs
ENC 1101 3 ENC 1102 3
Cult-Hist I 3 Cult-Hist II 3
SPC 1608 3 Art/Music/Lit 3
MAC 1105 3 CGS 2100C 3
Elective*** 3 Elective*** 3
Must complete nine hours in a summer semester

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
FIN 4903H** 3 FIN 4941 3
TAX 4001 3 Federal Income Tax I 3
RMI 3011 3 Principles of Risk and Insurance 3
REE 4732 3 Real Estate Development 3
REE 4303 3 Real Estate Appraisal 3
REE 3433 3 Real Estate Law 3
REE 3043 3 Fundamentals of Real Estate 3

Junior
1st Term 16 hrs 2nd Term 17 hrs
GEB 3033 4 FIN 3303 3
GEB 3375 4 FIN 3414 3
MAR 3023 4 FIN 3504 3
FIN 3403C 4 FIN Elective 3
FIN Elective 3 FIN Elective 3

Senior
1st Term 14 hrs 2nd Term 13 hrs
BUL 3130 4 MAN 4720 4
ISM 3011C 4 FIN 4453 3
FIN Elective 3 FIN Elective 3
FIN Elective 3 FIN Elective 3

***General electives as required to reach 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

FOREIGN LANGUAGE EDUCATION - FRENCH (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209
http://www.education.ucf.edu/language

Program Coordinator: Dr. Karen Verkler, ED 220L, 407-823-5235, E-mail: kverkler@mail.ucf.edu;

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements

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

1. UCF General Education Program (36 hrs)

- Communication Foundation (9 hrs)
  1. ENC 1101 English Composition I 3 hrs
  2. ENC 1102 English Composition II 3 hrs
  3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

- Cultural-Historical Foundation (9 hrs)
  1. Prefer: AMH 2010U.S. History 1492-1877 3 hrs
  2. Prefer: PHI 2010 Introduction to Philosophy 3 hrs
  3. Prefer: AMH 2020U.S. History 1877-present 3 hrs

- Mathematical Foundation (6 hrs)
  1. Prefer: MGF 1106 Finite Mathematics 3 hrs
  2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs

- Social Foundation (6 hrs)
  1. Prefer: POS 2041 American National Government 3 hrs
  2. Prefer: PSY 2012 General Psychology 3 hrs
May be taken as part of Summer Abroad Program.

Community college transfer students may substitute lower division restricted division courses in Other Program Requirements with the permission of the department.

Required prior to Internship I.

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130*</td>
<td>Child &amp; Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Note: In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

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

3. Other Program Requirements (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 2201</td>
<td>Intermediate French Language and Civilization I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*Prerequisite FRE 2200 can be satisfied by FL proficiency test or CLEP test, or successful completion of FRE 2201.

**Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4410**</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4467***</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESLOL</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4242#</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Applications of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

***Required prior to Internship I.

#Community College transfer students may substitute EEX 2010 Introduction to Special Education.

5. Internship I (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 3940</td>
<td>Internship I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Program Internship I Prerequisites: EDF 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of “C” or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

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

6. Specialization Requirements (33 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 4333***</td>
<td>Foreign Language Teaching in the Sec School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FLE 4314***</td>
<td>Foreign Language Teaching in Elem Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3300</td>
<td>French Grammar</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3420</td>
<td>French Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3760</td>
<td>Advanced French Oral Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3100</td>
<td>Survey of French Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3101</td>
<td>Survey of French Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 4421</td>
<td>Advanced French Conversation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 4422</td>
<td>Advanced French Composition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Upper division restricted electives 6 hrs

(FRE/FRW 34/XX with advisor’s consent)**

Note: The following courses may be taken in place of FRE 4421 and FRE 4422:

- FRE 3410## Advanced Oral French Abroad
- FRE 3425## Advanced French Grammar Abroad

##Required prior to Internship I.

#Community college transfer students may substitute lower division restricted division electives, see advisor.

##May be taken as part of Summer Abroad Program.

7. Other Cognate Requirements (Linguistics) (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 3780</td>
<td>French Phonetics and Dictation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

At least 80% of all required language courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

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

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

8. Internship II (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 4941</td>
<td>Internship II</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

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

9. Foreign Language Requirements (0-8 hrs)

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

10. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

11. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- Pass the general and subject area examinations (French K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to registration for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

12. Total Program Semester Hours Required 120 hrs

Consult with your Education advisor and review your degree audit for more recent information.

Program Academic Learning Compacts

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

13. Recommended Four Year Sequence of Courses

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td>12 hrs</td>
<td>Spring</td>
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<tr>
<td>EDF 2065 Intro to the Teaching Profession</td>
<td>3</td>
<td>EDF 2065 Intro to Diversity for Educators</td>
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<tr>
<td>ENC 1101 English Composition I</td>
<td>3</td>
<td>ENC 1102 English Composition II</td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3</td>
<td>PSC 2041 American National Government</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3</td>
<td>PSC 1121 Physical Science</td>
</tr>
<tr>
<td>Summer</td>
<td>3 hrs</td>
<td>EME 2040 Intro to Tech for Educators</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Sophomore Year</td>
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</tr>
<tr>
<td>Fall</td>
<td>15 hrs</td>
<td>Spring</td>
</tr>
<tr>
<td>AMH 2010 U.S. History</td>
<td>3</td>
<td>AMH 2020 US History 1877-present</td>
</tr>
<tr>
<td>EDF 2130 Child and Adoles Dev Ed*</td>
<td>3</td>
<td>EDF 2201Intermediate French Lang Civ II</td>
</tr>
<tr>
<td>SPC 1608 Fund of Oral Comm</td>
<td>3</td>
<td>ANT 2511 The Human Species</td>
</tr>
<tr>
<td>STA 2014 Principles of Statistics or</td>
<td>3</td>
<td>STA 1006C Basic Stat MS Excel</td>
</tr>
<tr>
<td>STA 2006C Basic Stat MS Excel</td>
<td>3</td>
<td>PHI 2010 Intro to Philosophy</td>
</tr>
<tr>
<td>EEX 4242Teach Ex Stud in Sec Settgs</td>
<td>3</td>
<td>EEX 4242Teach Ex Stud in Sec Settgs</td>
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</tbody>
</table>

**Transfer Notes:** Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Summer</td>
<td>3 hrs</td>
<td>TSL 4080 Theory &amp; Pract of Teach</td>
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<tr>
<td></td>
<td></td>
<td>ESOL Students in Schools</td>
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</tbody>
</table>
FOREIGN LANGUAGE EDUCATION - SPANISH (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209

http://www.education.ucf.edu/language

Program Coordinator: Dr. Karen Verkler, ED 220L, 407-823-5235, E-mail: kverkler@mail.ucf.edu;

Admission Requirements

■ Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
■ Have a minimum 2.5 overall GPA
■ Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
■ Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
■ Meet the Gordon Rule Requirement.
■ Meet the foreign language admission requirement.

Degree Requirements

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

1. UCF General Education Program (36 hrs)

A. Communication Foundation
   1. ENC 1101 English Composition I 3 hrs
   2. ENC 1102 English Composition II 3 hrs
   3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B. Cultural-Historical Foundation
   1. Prefer: AMH 2010 U.S. History: 1492-1877 3 hrs
   2. Prefer: PHI 2010 Introduction to Philosophy 3 hrs
   3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs
   C. Mathematical Foundation
   1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs
   2. Prefer: STA 106C Basic Statistics using MS Excel or 3 hrs
   STA 2014C Principles of Statistics
   D. Social Foundation
   1. Prefer: POS 2041 American National Government 3 hrs
   2. Prefer: PSY 2012 General Psychology 3 hrs
   E. Science Foundation
   1. Prefer: PSC 1121 Physical Science 3 hrs
   2. Prefer: ANT 2511 The Human Species or BSC 1006 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

EDF 4467 Learn Theory & Assmnt 3 hrs
EDG 4410 Teach Strat & Class Mgmt 3 hrs
FRE 4410 French Grammar 3 hrs
FRE 3420 French Composit 3 hrs
FRW 3100 Survey of French Lit I 3 hrs

Summer

9 hrs

FLE 4314 For Lang Tch in Elem Sch 3 hrs
FLE 4333 For Lang Tch in Sec Sch 3 hrs
EDF 4603 Analy & Appl of Eth, Legal, 3 hrs

Senior Year

Fall 12 hrs

FLE 3940 Internship I 3 hrs
FRE 4421 Adv French Convers 3 hrs
Two upper division restricted electives 6 hrs

Spring 12 hrs

FLE 3941 Internship II 3 hrs
FRE 4421 Adv French Convers 3 hrs

6. Specialization Requirements (27 hrs)

Select two upper division Spanish courses (SPN 34/XXX) 6 hrs with advisor’s consent. The following courses are recommended:

SPN 4410 Advanced Spanish Conversation 3 hrs
SPN 4421 Advanced Spanish Composition 3 hrs
SPN 4510 Spanish Civilization and Culture 3 hrs
SPN 4520 Latin American Civilization and Culture 3 hrs

#Required prior to Internship II.

The following courses may be taken in place of SPW 3100 and SPW 3101:

SPW 3100 Survey of Spanish Literature I 3 hrs
SPW 3101 Survey of Spanish Literature II 3 hrs
SPW 3344 Advanced Spanish Native Fluency I 3 hrs
SPW 3345 Advanced Spanish Native Fluency II 3 hrs

#Required prior to Internship II.

Select two upper division Spanish courses (SPN 34/XXX) 6 hrs with advisor’s consent. The following courses are recommended:

SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
SPN 3420 Spanish Composition 3 hrs
SPN 3760 Advanced Spanish Oral Communication 3 hrs
SPW 3100# Survey of Spanish Literature I 3 hrs
SPW 3101# Survey of Spanish Literature II 3 hrs
SPN 3344 Advanced Spanish Native Fluency I 3 hrs
SPN 3345 Advanced Spanish Native Fluency II 3 hrs

#Required prior to Internship II.

The following courses may be taken in place of SPW 3100 and SPW 3101:

SPW 3100 Survey of Spanish Literature I 3 hrs
SPW 3101 Survey of Spanish Literature II 3 hrs

#Required prior to Internship II.

Community college transfer students may substitute lower division restricted electives.

8. Other Cognate Requirements (3 hrs)

Select one of the following: 3 hrs

Select one of the following: 3 hrs

Note: Students are advised to take the preferred courses.

Note: Students are advised to take the preferred courses.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
9. Internship II Block (12 hrs)

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

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

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

13. Total Semester Hours Required 120 hrs
Consult with your Education advisor and review your degree audit for more recent information.

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

14. Recommended Four Year Sequence of Courses

Freshman Year
Fall 12 hrs
EDF 2005 Intro to the Teaching Prof  3
ENC 1101 English Composition I  3
MSC 1106 Finite Mathematics       3
PSY 1012 General Psychology  3

Spring 12 hrs
EDF 2005 Intro to the Teaching Prof  3
ENC 1102 English Composition II  3
POS 2041 American National Gov  3
PSC 1121 Physical Science  3

Sophomore Year
Fall 15 hrs
AMH 2020 U.S. History 1492-1877  3
EDF 2130 Child and Adol Dev Ed*  3
MSC 1006 Fund of Oral Comm  3
STA 204c Principles of Statistics or
STA 1000C Basic Stat MS Excel  3

Spring 12 hrs
AMH 2020 U.S. History 1877-present  3
EDF 2130 Child and Adol Dev Ed*  3
MSC 1006 Fund of Oral Comm  3
ANT 2511 The Human Species  3

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Summer 3 hrs
EME 2040 Intro to Tech for Educators  3

Junior Year
Fall 15 hrs
EDG 4410 Teach Strat & Class Mgmt  3
SPN 3344 Adv Span Native Fluency I  3
SPN 3420 Spanish Comp  3
SPN 3760 Adv Span Oral Comm  3

Spring 15 hrs
EDG 4410 Teach Strat & Class Mgmt  3
SPN 3344 Adv Span Native Fluency I  3
RED 4043 Content Reading K-12 3
SPW 3130 Survey of Latin Am Lit I or
SPW 3131 Survey of Latin Am Lit II  3

Summer 9 hrs
PSC 4801 Spanish Morphosyntax  3

**This course may be taken in the Fall of the senior year with consent of Instructor.

Senior Year
Fall 12 hrs
FLE 3940 Intern I  3

Spring 12 hrs
FLE 4941 Internship II  12

Select one
SPN 4410 Adv Span Conversation or 3
SPN 4421 Adv Spanish Comp or 3
SPN 4510 Spanish Civ & Cult or 3
SPN 4520 Latin Am Civ & Cult or 3

Select one
SPN 3852 Bilinguismo or 3
SPN 4800 Spanish American Syntax or 3
SPN 4801 Spanish Morphosyntax or 3

Select one
SPW 3130 Survey of Latin Am Lit I or 3
SPW 3131 Survey of Latin Am Lit II  3

FORENSIC SCIENCE - ANALYSIS TRACK (B.S.)
College of Sciences
Department of Chemistry
http://www.cos.ucf.edu/chemistry
E-mail: chemistry@ucf.edu
Contact: B. Fookes

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core science and math) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the program described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36+3 hrs)
(Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36)

A. Communication Foundations
1. Select ENC 1101 and ENC 1102  6 hrs
2. Prefer SPC 1603  3 hrs

B. Cultural and Historical Foundations
3. Select one  9 hrs
   - American Cultural
   - World Cultures
   - American History or
   - World History

C. Mathematical Foundations
4. Select one  6 hrs
   - MAC 2311
   - STA 2023

D. Social Foundations
5. Select one  6 hrs
   - Social Science or
   - Political Science

E. Science Foundations
6. Select PHY 2048 & L (PR: MAC 2311)  4 hrs
7. Select BSC 2010C  4 hrs

2. Common Program Prerequisites (16 hrs)

BSC 2010C Biology I  GEP
CHM 2045C+ Chem Fund I  4 hrs
CHM 2046L Chem Fund II with Lab  4 hrs
MAC 2311 Calculus w Anal Geometry I  GEP
MAC 2312 Calculus w Anal Geometry II  4 hrs
PHY 2048L* Physics Engr. & Sci. I & Lab  GEP
PHY 2049L* Physics Engr. & Sci. II & Lab  4 hrs

*See transfer notes for possible substitutes
+CHM 2040C plus CHM 2041C can substitute for CHM 2045C

3. Core Science and Math Requirements (18 hrs)

BSC 2010C Biology I  GEP
CHM 2210 Organic Chem. I  3 hrs
CHM 2211AL Organic Chem II & Lab  5 hrs
CHM 3120AL Analytical Chemistry & Lab  4 hrs
STA 2023 Statistical Methods I  GEP
PCE 2063 Genetics  3 hrs
PCE 3233 Immunology  3 hrs
## UCF Degree Programs

### Chemistry, Forensic Biochemistry Track

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<th>Course Code</th>
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<th>Hours</th>
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</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus w/ Anal Geometry II</td>
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<tr>
<td>PHY 2048&amp;L</td>
<td>Physics Engr. &amp; Sci. I &amp; Lab</td>
<td>CPP</td>
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<tr>
<td>PHY 2049&amp;L</td>
<td>Physics Engr. &amp; Sci. II &amp; Lab</td>
<td>CPP</td>
<td></td>
</tr>
</tbody>
</table>

### Forensic Science Core (18 hrs)
- CHS 3501L: 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 3533: Forensic Biochemistry I (2 hrs)
- CHS 4591: Forensic Science Internship (4 hrs)

### Forensic Analysis Track (28 hrs)
#### a. Required Courses (16 hrs)
- CHM 3422: Applied Physical Chemistry (3 hrs)
- CHS 4310L: Adv Analytical Chem Lab (2 hrs)
- CHS 3511C: Trace Evidence (4 hrs)
- CHS 3530C: Foren Anal of Controlled Subs (4 hrs)

#### b. Select 12 hours from the following:
- ANT 4521C: Forensic Anthropology (3 hrs)
- BCH 4053: Biochemistry I (3 hrs)
- CHM 3212L: Organic Lab Techniques II (2 hrs)
- CHS 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 hr)
- PCB 3233L: Immunology Lab (1 hr)

### 5. Electives (variable)
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

### 6. Departmental Exit Requirements
- 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

### 7. Foreign Language Requirements (0-8 hrs)
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

### 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:
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
- MAC 2311* & 2312*: Although MAC 2253 & 2254 will satisfy the CPP, MAC 2311 & 2312 are required in the major and still must be taken.
- PHY 2048 & Lab* and 2049 & Lab*: Although CPP requirements permit substitution by Organic Chemistry (CHM 2210 & 2211), PHY 2048 & L, PHY 2049 & L, CHM 245, and CHM 2046 are required for graduation, so all must be taken.

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

### Equipment Fee
- Full-time Student: $90 per term
- Part-time Student: $45 per term

### Suggested Plan of Study:
- One of numerous possible plans of study. See program description for alternate, new or more appropriate selections.

### Summer
- Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
- Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

### Fall
- BSC 2010C Biology I 4
- MAC 2311 Calc Anal Geo I 4

### Spring
- MAC 2311 Calc Anal Geo II 4

### Sophomore Year
- Fall
- MUL 2101* req# 1B2-GEP 3
- SPC 1603 Tech Presentations 3
- STA 2023 Stat Methods I 3
- PHY 2048 Phy for Eng Sci II 4
- CHM 2210 Organic Chm I 3

### Junior Year
- Fall
- CHM 3120 Analy Chemistry & L 4
- PCB 3063L Genetics L 1
- CHS 3505C Forensic Mic 4
- CHM 4537 For L Qual Assur 2
- CHS 3530C Forensic analysis Elective Check restrictions 3

### Senior Year
- Fall
- PCB 3233L Immunology Lab 1
- CHS 3533 Forensic Biochem I 3
- CHS 3422 Applied Phy Chm 3
- CHS 3530C Forensic analysis 4
- ACS Exam See catalog 0

### Acceptable Substitutes
- CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
- MAC 2311* & 2312*: Although MAC 2253 & 2254 will satisfy the CPP, MAC 2311 & 2312 are required in the major and still must be taken.
- PHY 2048 & Lab* and 2049 & Lab*: Although CPP requirements permit substitution by Organic Chemistry (CHM 2210 & 2211), PHY 2048 & L, PHY 2049 & L, CHM 245, and CHM 2046 are required for graduation, so all must be taken.

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

### Equipment Fee
- Full-time Student: $90 per term
- Part-time Student: $45 per term

### Suggested Plan of Study:
- One of numerous possible plans of study. See program description for alternate, new or more appropriate selections.

### Summer
- Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
- Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

### Freshman Year
- Fall
- BSC 2010C Biology I 4
- ENC 1101 Composition I 3

### Spring
- PHY 2048L Phy L Eng Sci I 1
- CHM 245C Chemistry Fund II 4
- CHM 2046L Chem Fund L 1
- MAC 2310 Calc Geo I 4

### Sophomore Year
- Fall
- MUL 2101* req# 1B2-GEP 3
- SPC 1603 Tech Presentations 3
- STA 2023 Stat Methods I 3
- PHY 2048 Phy for Eng Sci II 4
- ANT 4521C req# 5b-RElect 3

### Junior Year
- Fall
- CHM 3120 Analy Chemistry & L 4
- PCB 3063L Genetics L 1
- CHS 3505C Forensic Mic 4
- PCB 4053 req# 5b-RElect 3

### Senior Year
- Fall
- PCB 3233L Immunology Lab 1
- CHS 3533 For L Qual Assur 3

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**FORENSIC SCIENCE-BIOCHEMISTRY TRACK (B.S.)**

**College of Sciences**

Department of Chemistry, CH 223, 407-823-0163

http://www.cos.ucf.edu/chemistry/

E-mail: chemistry@ucf.edu

Contact: J. Ballantyne

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### 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.
UCF Degree Programs

- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core science and math) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the program described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36+3 hrs)
   (Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36)
   A. Communication Foundations
      1. Select ENC 1101 and ENC 1102 6 hrs
      2. Prefer SPC 1603 3 hrs
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      1. Select MAC 2311 4 hrs
      2. Select STA 2023 3 hrs
   D. Social Foundations
      6 hrs
   E. Science Foundations
      1. Select PHY 2048&L (PR: MAC 2311) 4 hrs
      2. Select BSC 2010C 4 hrs

2. Common Program Prerequisites (16 hrs)
   BSC 2010C Biology I 4 yrs
   CHM 2045C* Chem Fund III 4 hrs
   CHM 2046L* Chem Fund IV with Lab 4 hrs
   MAC 2311 Calculus w/ Anal Geometry I 4 hrs
   MAC 2312 Calculus w/ Anal Geometry II 4 hrs
   PHY 2048&L* Physics Engr. & Sci. I & Lab 4 hrs
   PHY 2049&L* Physics Engr. & Sci. II & Lab 4 hrs
   *See Transfer Notes for possible substitutes
   +CHM 2040C plus CHM 2041C can substitute for CHM 2045C
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Science and Mathematics Requirements (20 hrs)
   BSC 2010C Biology I 4 yrs
   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 4 hrs
   MAC 3340&L Calculus w/ Anal Geometry III 4 hrs
   PHY 2048&L* Physics Engr. & Sci. I & Lab 4 hrs
   MAC 2311 Calculus w/ Anal Geometry I 4 hrs
   MAC 2312 Calculus w/ Anal Geometry II 4 hrs
   PHY 2048&L Physics Science & Eng I 4 hrs
   PHY 2049&L Physics Science & Eng II 4 hrs

4. Forensic Science Core (18 hrs)
   CHS 3501 Intro to Forensic Science 3 hrs
   CHS 3505C Forensic Microscopy 4 hrs
   CHS 3537 Forensic Lab Quality Assurance 2 hrs
   CHS 3593 Forensic Sci in the Courtroom 3 hrs
   CHS 3533 Forensic Biochemistry I 3 hrs
   CHS 4591 Forensic Science Internship 4 hrs

5. Forensic Biochemistry Track (30 hrs)
   MCB 3020C General Microbiology 5 hrs
   BCH 4053 Biochemistry I 3 hrs
   BCH 4054 Biochemistry II 3 hrs
   BCH 4103L Biochemical Methods Lab 2 hrs
   PCB 3522 Molecular Biology I 3 hrs
   PCB 4524 Molecular Biology II 3 hrs
   BSC 3401C Quantitative Biological Methods 4 hrs
   CHS 4534C Forensic Biochemistry II 3 hrs
   CHS 4532 Interpretation of DNA Evidence 3 hrs
   CHS 3533 Forensic Biochemistry Lab 1 hr

6. Departmental Exit Requirements
   - Earn a grade of "C" (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
   - Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.

   - Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
   - Computer Competency met by CHS 3505C and CHS 4527.
   - American Board of Criminalists (ABC) exit exam must be taken prior to graduation, or an exit exam specified by the department.
   - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
   - Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements (0-8 hrs)
   Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation: none

8. Electives (variable)
   Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residency at UCF
   25% of course work must be completed in residency at UCF.
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 124 hrs

Related Programs: Chemistry, Forensic Science Analysis Track, Molecular Biology and Microbiology
Related Minors: Forensic Science, Molecular Biology and Microbiology

Transfer Notes:
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
- MAC 2254*: may use MAC 2311 & 2312
- MAC 2311* & 2312*: Although MAC 2253 & 2254 will satisfy the CPP, MAC 2311 & 2312 are required in the major and still must be taken.
- PHY 2048&L* and 2049&L*: Program admission requirements may permit substitution by Organic Chemistry (CHM 2210 & 2211). However, PHY 2048&L, PHY 2049&L, and Organic Chemistry through CHM 2046 are required for graduation.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student .......................... $90 per term
- Part-time Student ...................... $45 per term

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer
- Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
- Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year

Fall

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<tr>
<td>MAC 2311</td>
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<tr>
<td>PHY 2048&amp;L*</td>
<td>Physics Engr. &amp; Sci. I &amp; Lab</td>
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Spring

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<td>Physics Engr. &amp; Sci. I &amp; Lab</td>
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<td>Physics Engr. &amp; Sci. II &amp; Lab</td>
<td>4 hrs</td>
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</table>

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FRENCH (B.A.)

College of Arts and Humanities

Department of Modern Languages & Literatures

CHN 523

http://mill.cah.ucf.edu/

E-mail: forlang@mail.ucf.edu
Contact: 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

   A. Communication Foundations
      (36 hrs)
      9 hrs
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      Select MGF 1106 Finite Mathematics or MGF 1107
      (may substitute a higher level math)
      3 hrs
      Prefer STA 1060C Statistics Using Excel
      3 hrs

2. Common Program Prerequisites

   FRE 1120C* Elem French Lang & Civ I
   FRE 1121C* Elem French Lang & Civ II
   FRE 2200* Interim French Lang & Civ I
   FRE 2201* Interim French Lang & Civ II

   *May be met by proficiency test or completion of FRE 2201

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core requirements

   FRE 3300* Advanced Grammar
   FRE 3420* French Composition
   or
   FRE 4422 Advanced French Composition
   or
   FRE 3760* Adv French Oral Communication
   or
   FRE 4421 Advanced French Conversation
   or
   FRW 3100 Survey of French Literature I
   FRW 3101 Survey of French Literature II
   or
   FOL 3730 Romance Philology

   *A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

4. Upper Division Restricted Electives

   (15 hrs)

   French literature beyond the survey level
   (taught in French)
   French courses
   9 hrs

5. Departmental Exit Requirements

   Earn a grade of “C” (2.0) or higher in at least 36 hours of upper division French courses
   Students are required to satisfactorily complete a departmental exit exam
   Students must submit their portfolio to their French Faculty Advisor
   Computer Competency met by CGS 1060C or equivalent

6. Foreign Language Requirements

   Admission: Met by Graduation requirements.
   Graduation: Met by Common Program Prerequisites.

7. Electives

   (variable)

   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements

   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residency at UCF
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

   Total Semester Hours Required
   120 hrs

   Related Programs: Spanish, Foreign Language Combination

   Related Minors: French, German, Italian, Judaic Studies, Latin American and Iberian Area Studies, Spanish

   Transfer Notes:
   Courses taken at community colleges do not substitute for Upper Division courses.
   Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

   Program Academic Learning Compacts

   Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
   http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

   Contact: E-mail: forlang@mail.ucf.edu

   http://mll.cah.ucf.edu/
GENERAL BUSINESS (B.S.B.A.)
College of Business Administration
BA 201, 407-823-2184
http://www.bus.ucf.edu
Not eligible for a double degree with another College of
Business Administration major

E-mail: uss@bus.ucf.edu
Faculty Advisor: Undergraduate Student Services, BA 201,
407-823-2184

Admission Requirements
■ Completion of the UCF General Education program, and Gordon
Rule, or an AA degree from a Florida Public Community College
■ See Common Program Prerequisites

Degree Requirements
1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      Preferred: SPC 1608
      9 hrs
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      Select MAC 1140 Pre-Calculus
      3 hrs
      Select CGS 2100C Computer Fundamentals for Bus
      3 hrs
   D. Social Foundations
      Select ECO 2013 Macroeconomics or
      ECO 2023 Microeconomics
      3 hrs
      Select one: PSY 2012, SYG 2000, ANT 2000
      3 hrs
   E. Science Foundation
      6 hrs

2. Common Program Prerequisites (18-21 hrs)
   Must be completed with a “C” (2.0) or better.
   ACG 2021 Principles of Financial Accounting
   3 hrs
   ACG 2071 Principles of Managerial Accounting
   3 hrs
   ECO 2013 Macroeconomics
   3 hrs
   ECO 2023 Microeconomics
   3 hrs
   ECO 3401* Quantitative Business Tools I
   3 hrs
   CGS 2100C Computer Fundamentals for Business
   3 hrs
   *At UCF, students who have completed MAC2233 and STA2023 will be waived
   from ECO 3401. Students who have not completed both classes with a “C” (2.0) or
   better must take ECO 3401.
   See “Common Prerequisites” in the Transfer and Transitions Services section for
   more information.

3. Core Classes (36 hrs)
   First or subsequent semester in the College of Business
   Administration:
   GEB 3031 Cornerstone (Required in 1st or 2nd semester)
   4 hrs
   GEB 3375 Introduction to International Business
   4 hrs
   BUL 3130 Legal & Ethical Environments of Business
   4 hrs
   ECO 3411 Quantitative Business Tools II
   4 hrs
   FIN 3403C Business Finance
   4 hrs
   MAN 3025 Management of Organizations
   4 hrs
   ISM 301C Essentials of Management Information Systems
   4 hrs
   MAR 4203 Marketing
   4 hrs
   Last Semester:
   MAN 4720 Strategic Management
   4 hrs

4. Special college and/or department requirements:
■ Must complete all Gordon Rule requirements, prior to admission
to this degree.
■ Students who change degree programs and select this major
must adopt the most current catalog.
■ Only grades of “C” (2.0) or higher transfer into the program and
students must have a “C” (2.0) or better in each common pro-
gram prerequisites class.
■ Students wanting to major in General Business must apply for
admission to the major.
■ Final exams will be given during Exam Week.
■ Any student receiving a business degree must complete one
half (30) of the 60 upper level business courses for their degree
program in the UCF College of Business Administration.
Additionally, 12 of the 30 credit hours completed at UCF must be
from the department or school in which the student majors.
■ Students must have at least a 2.0 GPA in the major and COB.
■ Students majoring in General Business must earn a grade of “C”
(2.0) or better in each course applied towards the major, and a
2.0 overall average in the major.

5. Second Level Core (6 courses): (15-16 hrs)
   Students must take one course from each of the following areas:
   Economics (must take ECP 4703), Finance, Management,
   Management Information Systems, and Marketing. These five cours-
es are restricted to the courses listed below:

   Finance
   FIN 3303 Financial Markets
   3 hrs
   FIN 3414 Intermediate Corporate Finance
   3 hrs
   FIN 3504 Investment Analysis
   3 hrs

   Management
   MAN 3301 Management of Human Resources
   3 hrs
   MAN 4240 Organizations: Theory and Behavior
   3 hrs
   MAN 4441 Conflict Resolution and Negotiation
   3 hrs
   GEB 3113 How to Start a Business
   3 hrs

   Management Information Systems
   ISM 3253 MIS Techniques
   4 hrs
   ISM 4153C Enterprise Information Systems
   3 hrs
   ISM 4154 Enterprise Application Development
   3 hrs

   Marketing
   MAR 3613 Marketing Research & Analysis
   3 hrs
   MAR 3403 Sales Force Management
   3 hrs
   MAR 4841 Service Marketing
   3 hrs
   MAR 4156 International Marketing
   3 hrs

   Economics*
   ECP 3223 Money and Banking
   3 hrs
   ECP 3203 Contemporary Labor Economics
   3 hrs
   ECP 4703 Managerial Economics
   3 hrs

   *ECP 4703 is required. ECP 3203 and ECP 3223 are restrictive electives only.
   With permission of Economic advisor, any other 3000 or 4000 level ECO, ECP, or
   ECS course may be substituted as an Economics restrictive elective. This substitu-
   tion must be petitioned and have written approval.

6. Restricted Electives (three courses): (9 hrs)
   Restricted electives are to be taken from two different departments
   and from the courses listed above, at least two of the restricted elec-
   tives 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 proficien-
   cy exam) prior to graduation.
   Graduation: none

Transfer Notes
■ Courses taken at community colleges do not substitute for upper
division courses.
■ Courses transferred must be formally evaluated for equivalency
credit. The student must provide a course syllabus and any
other supporting information with his/her petition for this evalua-
tion.

UCF Degree Programs
UCF Degree Programs

Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

10. Electives (variable) Total Semester Hours Required 120 hrs

**General electives as required to reach 120 semester hours.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student .......................... $30 per term
- Part-time Student .......................... $15 per term

FOUR YEAR PLAN OF STUDY - ALL GENERAL BUSINESS MAJORS

Freshman
1st Term 15 hrs 2nd Term 15 hrs
ENC 1101* 3 ENC 1102* 3
Cult-Hist I* 3 Cult-Hist II* 3
SPC 1608 3 Art/MusicLit 3
**Elective 3 MAC 1105* 3
**Elective 3 CGS 2005* 3
Must complete nine hours in a summer term

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
ECO 2023* 3 ECO 2013* 3
ACG 2021* 3 ACG 2071* 3
Science 3 Science 3
Psy/Soc/Ant 3 **Elective 3
**Elective 3 ECO 3401* 3
**C (2.0) or better grade required in each class
Student should choose to major in one of the two areas of study below

GENERAL BUSINESS MAJOR

Junior
1st Term 16 hrs 2nd Term 15 hrs
GEB 3021 4 Required MAN Course 3
BUL 3130 4 MAR 3023 4
ISM 3011C 4 ECO 3411 4
MAN 3025 4 FIN 3403C 4

Senior
1st Term 16 hrs 2nd Term 13 hrs
GEB 3375 4 Required FIN Course 3
Required ISM Course 3 Gen. Bus. Restrictive Elective** 3
Required MAR Course 3 Gen. Bus. Restrictive Elective** 3
Gen. Bus. Restrictive Elective** 3
**Students take 3 restrictive electives from approved list described above
***General electives as required to reach 120 semester hours.

GENERAL BUSINESS (B.S.B.A.)

A.S. to B.S. TRACK

Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

HEALTH INFORMATION MANAGEMENT (B.S.)

College of Health and Public Affairs
Department of Health Management and Informatics
HPA2 210, 407-823-2353
http://www.cohpa.ucf.edu/hmi/bshm.cfm
Undergraduate Program Director: Alice M. Noblin, RHIA;
E-mail: anoblin@mail.ucf.edu

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 are pending Health Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of **C** (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Information Management Program
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (37 hrs)

A. Communication Foundations 9 hrs
B. Cultural Historical Foundations 9 hrs
C. Mathematical Foundations 6 hrs
Select MAC 1105
Select STA 2014C
D. Social Foundations 6 hrs
E. Science Foundations 8 hrs
Select BSC 2010C
Select CHM 1032

2. Common Program Prerequisites (17 hrs)

ZOD 3730C Human Anatomy* 4 hrs
PCB 3703C Human Physiology* 4 hrs
STA 2014C Statistics 3 hrs
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
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (66 hrs)

HSC 3147 Introduction to Pharmacology 3 hrs
HSA 3170 Health Care Finance 3 hrs
HSA 4109 Principles of Managed Care 3 hrs
HSA 4191 Health Care Automation 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HSC 3537 Medical Terminology 3 hrs
HSC 4652 Health Law & Ethics 3 hrs
HSC 4555 Pathophysiologic Mechanisms 3 hrs
HSA 4180 Organization/Management for Health Agencies 3 hrs
or MAN 3025 Management of Organizations

http://www.cohpa.ucf.edu/hmi/bshm.cfm

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**Health Sciences - Athletic Training Track (B.S.)**

College of Health and Public Affairs  
Department of Health Professions  
HPA2 208, 407-823-2747  
http://www.cohpa.ucf.edu/health/pro/athletic

**Undergraduate Program Director:** Kristen C. Schellhase, MEd, ATC, CSCS, E-mail: kschellh@mail.ucf.edu

**Admission Requirements**

Students may only begin the athletic training program track in the Summer B semester and must have:

A. Acceptance to the University as an undergraduate student in Health Sciences - Athletic Training Pending. Acceptance into the university does not constitute admission into the Program in Athletic Training.

B. A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur.

C. A minimum of 2.75 overall grade point average and a minimum grade of “C” (2.0) in program prerequisites.

D. Completion of an AA degree from a Florida Community College; or completion of UCF’s General Education Program.

E. This program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

F. Consent of Program Director.

G. A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

**Technical Standards Requirement**

The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program’s accrediting agency (Commission on Accreditation of Athletic Training Education [CAA TE]). 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.

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**Technical Standards Requirement Details**

A. Acceptance to the University as an undergraduate student in Health Sciences - Athletic Training Pending. Acceptance into the university does not constitute admission into the Program in Athletic Training.

B. A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur.

C. A minimum of 2.75 overall grade point average and a minimum grade of “C” (2.0) in program prerequisites.

D. Completion of an AA degree from a Florida Community College; or completion of UCF’s General Education Program.

E. This program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

F. Consent of Program Director.

G. A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

**Health Sciences - Athletic Training (B.S.)**

College of Health and Public Affairs  
Department of Health Professions  
HPA2 208, 407-823-2747  
http://www.cohpa.ucf.edu/health/pro/athletic

**Undergraduate Program Director:** Kristen C. Schellhase, MEd, ATC, CSCS, E-mail: kschellh@mail.ucf.edu

**Admission Requirements**

Students may only begin the athletic training program track in the Summer B semester and must have:

A. Acceptance to the University as an undergraduate student in Health Sciences - Athletic Training Pending. Acceptance into the university does not constitute admission into the Program in Athletic Training.

B. A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur.

C. A minimum of 2.75 overall grade point average and a minimum grade of “C” (2.0) in program prerequisites.

D. Completion of an AA degree from a Florida Community College; or completion of UCF’s General Education Program.

E. This program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

F. Consent of Program Director.

G. A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

**Technical Standards Requirement**

The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program’s accrediting agency (Commission on Accreditation of Athletic Training Education [CAA TE]). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the program’s technical standards does not guarantee a student’s eligibility for the BOC examination.
UCF Degree Programs

Candidates for selection to the Program in Athletic Training must demonstrate:

- The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm;
- Sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients;
- The ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice;
- The ability to record the physical examination results and a treatment plan clearly and accurately;
- The capacity to maintain composure and function well during periods of high stress;
- The perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced;
- Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations;
- Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Candidates for selection to the Program in Athletic Training will be required to verify they understand and meet these technical standards or they believe that, with certain accommodations, they can meet the standards. The University of Central Florida will evaluate a student who states he/she could meet the program’s technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws. If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the standards. The University of Central Florida will evaluate a student who states he/she could meet the program’s technical standards or they believe that, with certain accommodations, they can meet the standards. The University of Central Florida will evaluate a student who states he/she could meet the program’s technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws. If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the standards or they believe that, with certain accommodations, they can meet the standards.

Degree Requirements

- Students who are Health Sciences Athletic Training Pending and are admitted to the major must adopt the most current catalog
- Students should consult with a departmental advisor
- Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Program in Athletic Training, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflicts
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours

1. UCF General Education Program

A. Communication Foundations
   - Select MAC 1105
   - Select STA 2033
B. Cultural Historical Foundations
   - Select POS 2041
   - Select PSY 2012
C. Mathematical Foundations
   - Select BSC 2010C
   - Select CHM 2045C

2. Common Course Prerequisites (15 hrs)

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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tr>
<td>BSC 2010C</td>
<td>Biology I and Lab</td>
<td>GEP</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>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>Coll Physics I (algebra based) or PHY 2048L Physics for Scientists (calculus based)</td>
<td>GEP</td>
</tr>
<tr>
<td>HUN 2002</td>
<td>Modern Concepts of Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
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See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Professional Phase (62 hrs)

The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.

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<tr>
<th>Course Code</th>
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<tr>
<td>PET 4603C</td>
<td>Introduction to Athletic Training</td>
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<td>PET 4620</td>
<td>Principles of Athletic Training</td>
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<td>PET 3633C</td>
<td>Clinical Skills for Athletic Trainers I</td>
<td>2 hrs</td>
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<td>PET 3607L</td>
<td>Practicum in Athletic Training I</td>
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<td>HSC 3147</td>
<td>Introduction to Pharmacology</td>
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<td>PET 3623C</td>
<td>Recognition and Evaluation of Athletic Injuries I</td>
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</tr>
<tr>
<td>PET 3649C</td>
<td>Clinical Skills for Athletic Training II</td>
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</tr>
<tr>
<td>PET 4315C</td>
<td>Biomechanics of Sport</td>
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</tr>
<tr>
<td>PET 3671C</td>
<td>Practicum in Athletic Training II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 4624C</td>
<td>Recognition and Evaluation of Athletic Injuries II</td>
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<td>PET 4630C</td>
<td>Therapeutic Exercise in Athletic Training</td>
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<td>PET 4632C</td>
<td>Therapeutic Modalities in Athletic Training</td>
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<td>PET 4660C</td>
<td>Organization and Administration in Athletic Training</td>
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<tr>
<td>PET 3510C</td>
<td>Physiologic and Metabolic Basis of Human Movement and Performance</td>
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<td>PET 4635C</td>
<td>Advanced Rehabilitation in Athletic Training</td>
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<td>PET 4672L</td>
<td>Practicum in Athletic Training III</td>
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<td>PET 4606</td>
<td>Applied Fitness in Sport</td>
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<td>PET 4673L</td>
<td>Practicum in Athletic Training IV</td>
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<td>PET 4604</td>
<td>Sports Medicine in Field Application</td>
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</tr>
<tr>
<td>PET 4674</td>
<td>Senior Seminar</td>
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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 an Approved Clinical Instructor (ACI).

6. Electives (variable)

Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Information Management, Radiological Sciences, Psychology, and Sports & Fitness.

7. Foreign Language Requirements (0-8 hrs)

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: None

8. Program Exit Requirements

A minimum overall GPA of 2.75 and a minimum grade of “C” (2.0) in prerequisite and major courses are required for graduation from the Program in Athletic Training. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Graduates are eligible to apply to take the Board of Certification (BOC) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Program in Athletic Training.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
Total Semester Hours Required 120 hrs

Related Programs: Business, Public Administration, Sports and Fitness, Health Services Administration, Health Information Management, Health Sciences - Pre-Clinical Track

Related Minors: Business, Computer Sciences, Aging Studies, Biology, Coaching, Fitness Training, Health Information Management, Health Sciences, Health Services Administration, Education, 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 1010L) and Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086). Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ........................................... $15 per term
- Part-time Student ........................................... $7.50 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 15 hrs Spring 13 hrs
ENC 1101 3 ENC 1102 3
PSY 2012 3 POS 2041 3
HSC 2000 2 BSC 2010C 4
MAC 1105 3 MAC 1114 3
CHM 2045C 4

Sophomore Year
Fall 14 hrs Spring 16 hrs
PHY 2053C 4 MUL 2010 or REL 2300 or 3
ZOO 3733C 4 THE 2000 or PHI 2010 3
STA 2023 3 HUN 2002 3
EHU 2000 or HUM 2210 3

Senior Year
Fall 13 hrs Spring 11 hrs
PET 4660C 3 PET 4674 1
PET 3510C 3 PET 4606 3
PET 4630C 4 PET 4673L 4
PET 4672L 4 PET 4604 3

*As needed to meet 120 hours of departmental exit requirement

HEALTH SCIENCES - Pre-Clinical Track (B.S.)
College of Health and Public Affairs
Department of Health Professions
HPA2 203, 407-823-6761
http://www.cohpa.ucf.edu/health/pro/hsgbs.cfm

Undergraduate Program Director: David M. Segal, PhD, E-mail: dssegal@mail.ucf.edu

The Health Sciences-Pre-Clinical Track is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, pharmacy, physician assistant, and medicine. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health or Health Services Administration.

Admission Requirements: none

Degree Requirements
- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- Students should complete the General Education Program and the Program Prerequisites requirements before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- Students must earn at least a “C” (2.0) in each course accepted as a Program Prerequisite and Core Requirement (see sections 2, 3 and 4 below)
- No transfer course will be accepted with a grade lower than a “C” (2.0).
- Students should have access to a personal computer, modem, and software in order to interact with the instructional faculty.
- Courses listed in math, biology, chemistry and physics are the minimum levels. Students with adequate preparation are encouraged to enroll in higher course levels in the discipline.

1. UCF General Education Program (38 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural Historical Foundations 9 hrs
   Select MUL 2010 Enjoyment of Music or REL 2300
   World Religions or THE 2010
   Select PHI 2010 Intro to Philosophy
   C. Mathematical Foundations 6 hrs
   Select MAC 1105 College Algebra
   Select STA 2014 Principles of Statistics or STA 2023 Statistical Methods I
   D. Social Foundations 6 hrs
   Select ECO 2013 Principles of Microeconomics or ECO 2023 Principles of Microeconomics
   Select PSY 2012 General Psychology
   E. Science Foundations 8 hrs
   Select BSC 2010C Biology I and Lab
   Select PHY 2053C College Physics I and Lab

2. Common Program Prerequisites (0 hrs)
   MAC 1114 Trigonometry GEP
   STA 2014C Principles of Statistics or GEP
   STA 2023 Statistical Method I
   BSC 2010C Biology I GEP
   ECO 2013 Principles of Microeconomics or GEP
   ECO 2023 Principles of Microeconomics
   PSY 2012 General Psychology GEP

3. Core Requirements - Lower Division (32 hrs)
   CGS 1060C Intro to Computer Science or 3 hrs
   CGS 2100C Programming GEP
   CHM 2045C Chemistry Fundamentals I with Lab 4 hrs
   CHM 2046 Chemistry Fundamentals II 3 hrs
   CHM 2046L Chemistry Fundamentals II Lab 1 hrs
   CHM 2205 Introduction to Organic and Biochemistry 5 hrs
   DEP 2003 Developmental Psychology 3 hrs
   HSC 2000 Intro to the Allied Health Professions 2 hrs
   HUN 2002 Modern Concepts in Nutrition 3 hrs
   MCB 2050C Microbiology for Health Professionals 4 hrs
   PHY 2053C College Physics I and Lab (not for Sci and Eng) 4 hrs
   PHY 2054C College Physics II and Lab (not for Sci and Eng) 4 hrs

4. Core Requirements - Upper Division (29 hrs)
   Basic and Health Sciences (14 hrs)
   HSC3147 Introduction to Pharmacology 3 hrs
   HSC 4506C Quality Management 3 hrs
UCF Degree Programs

5. Upper Division Restricted Electives: (21 hrs)
A minimum of 7 courses from the list below
(Enrollment in MLS, Athletic Training and Medical Pharmacology courses is restricted. Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of science classes.)

- HSA 3430  Health Care Economics 3 hrs
- HSA 4130  Org & Mgt of Health Agencies 3 hrs
- HSC 3110C  Medical Self Assessment 3 hrs
- HSC 3537  Medical Terminology 3 hrs
- *HSC 4158  Medical Pharmacology I 2 hrs
- *HSC 4159  Medical Pharmacology II 2 hrs
- HSC 4594  Healthcare Needs of the Elderly 3 hrs
- HSC 3593  HIV Disease 3 hrs
- *HSC 3930  Preventive Healthcare 3 hrs
- PET 3620  Principles of Athletic Training 3 hrs
- PET 3633C  Clinical Skills for Athletes I 2 hrs
- PET 3649C  Clinical Skills for Athletes II 2 hrs
- PET 4606  Applied Fitness in Sport 3 hrs
- *PCB 3233  Immunology 3 hrs
- *PCB 3233L  Immunology Lab 1 hr
- *PCB 3063  Genetics 3 hrs
- *PCB 3063L  Genetics Lab 1 hr
- *PCB 4805  Endocrinology 3 hrs
- *BCH 4053  Biochemistry I 3 hrs
- *MCB 3020C  General Microbiology 5 hrs
- *MCB 3203  Pathogenic Microbiology 3 hrs
- *MCB 3203L  Pathogenic Microbiology Lab 1 hr
- *MCB 4503C  Virology 3 hrs
- *ZOO 3744  Neurobiology 3 hrs
- *ZOO 4704C  Clinical Neuroanatomy & Neuroscience 4 hrs
- *ZOO 4605  Human Clinical Embryology 3 hrs
- RTE 4762  Anatomy for the Medical Imag 3 hrs

*Recommended for Preprofessional students

6. Unrestricted Electives (variable)
Students who transfer in with a Florida public community college AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose courses that are pre-requisites for specific graduate programs of interest.

7. Foreign Language Requirements (0-8 hrs)
Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

8. Program Exit Requirements (120 hrs)
- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective (see sections 3 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.
- Students must take a minimum of 30 hours of upper-division courses from the Health Sciences Pre-Clinical major to obtain the UCF degree in Health Sciences-Pre-Clinical Track.
- Students are required to have a personal interview after filing Intent to Graduate form online.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: The participating student may also consider applying for consideration to one or more of the following undergraduate professional degree options: Health Information Management, Athletic Training, Cardiopulmonary Sciences, Radiologic Sciences, and Health Services Administration. This program is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, pharmacy, physician assistant and medicine. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health or Health Services Administration.

Related Minors: Health Information Management, Biology, Chemistry, Molecular and Microbiology

Transfer Notes: Completion of a Florida public community college Associate of Arts Degree is strongly recommended. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Students who begin a two-semester sequence course (e.g. General Chemistry) at a Florida public community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Organic Chemistry I (CHM 2210) and Organic Chemistry II (CHM 2211) with labs at a Florida public community college in order to meet the University’s requirement for Intro to Organic and Biochemistry (CHM 2205).

Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at a Florida public community college (lower division) level must take an additional 8 hours of upper division coursework at UCF.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

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<td>PHY 2054C</td>
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*If not satisfied in high school.

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<table>
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<td>Spring</td>
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</table>
Students must earn a "C" (2.0) or better in each Core Requirement course.

HSA 4941 Health Services Administration Internship      3 hrs
Agencies II

HSA 4184 Organization & Management for Health           3 hrs

HSC 4564 Health Care Needs of the Elderly 3 hrs

HSC 4500 Epidemiology 3 hrs

HSA 4702 Health Sciences Research Methods 3 hrs

HIM 4506C Quality Management                                            3 hrs

HSA 4191 Health Care Automation                                3 hrs

Health Agencies I

HSA 3111 U.S. Health Care Systems                              3 hrs

HSA 3170 Health Care Finance                                  3 hrs

HSA 3222 Long Term Care Administration                        3 hrs

HSA 3430 Health Care Economics                                3 hrs

HSA 4109 Principles of Managed Care                           3 hrs

HSC 4201 Community Health Services                            3 hrs

HSA 4180 Organization and Management for Health Agencies I    3 hrs

HIM 4506C Quality Management                                  3 hrs

HSA 4702 Health Sciences Research Methods                     3 hrs

HSC 3537 Medical Terminology                                  3 hrs

HSC 4500 Epidemiology                                        3 hrs

HSC 4564 Health Care Needs of the Elderly                     3 hrs

HSC 4652 Health Care Law & Ethics                             3 hrs

HSA 4184 Organization & Management for Health Agencies II     3 hrs

HSA 4941 Health Services Administration Internship           3 hrs

Students must earn a "C" (2.0) or better in each Core Requirement course.

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 course.
- Students must complete 3-9 credit hours of internship prior to graduation. To be eligible to participate in the internship program, students must have a major GPA of a 2.5.
- At least 45 of the 51 core credit hours must be completed at UCF.

6. Electives (variable)

Students are encouraged to select with their advisor additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Information Management, Health Sciences, Aging Studies, Public Administration, and Business.

7. Foreign Language Requirements (0-8 hrs)

Students who transfer with an AA degree from a Florida public community college and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

8. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 36 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam and Armed Forces credits permitted

Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Public Administration, Health Information Management

Related Minors: Aging Studies, Health Information Management, Health Sciences, and Public Administration

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

Fall Semester Hours: 15 hrs

Freshman Year

Fall Semester Hours: 14 hrs

Sophomore Year

Fall Semester Hours: 15 hrs

Summer Semester Hours: 8 hrs

Junior Year

Fall Semester Hours: 15 hrs

Spring Semester Hours: 15 hrs
Senior Year

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<td>3</td>
<td>HSA 4XXX (Capstone)</td>
<td>3</td>
</tr>
</tbody>
</table>

Notes:
- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of their written work in history, completed inside and outside the classroom.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program
   - (36 hrs)
   - Communication Foundations | 9 hrs
   - Cultural and Historical Foundations | 9 hrs
     - Select AMH 2010 US History: 1492-1877 | 3 hrs
     - Select AMH 2020 US History: 1877-Present | 3 hrs
     - Select one class from 1.8.2 list (see GEP section of catalog) | 3 hrs
   - Mathematical Foundations | 3 hrs
     - Prefer MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math)
     - Prefer CGS 1060C Intro to Computer Sci | 3 hrs
   - Social Foundations | 6 hrs
   - Science Foundations | 6 hrs

2. Common Program Prerequisites
   - (0 hrs)
     - AMH 2010* & 2020*: may use any two introductory courses with an AMH, EUH, LAH, ASH, HIS or WOH prefix.
     - Students should consult with a departmental advisor for all requirements. Courses with an asterisk (*) may be replaced by any two introductory courses in the major.
       - Preferred American history courses in the major.

3. Core Requirements
   - (9 hrs)
     - HIS 4150 History & Historians | 3 hrs
     - Select one sequence | 6 hrs
       - EUH 2000, 2001: Western Civilization I & II
       - WOH 2012, 2022: World Civilization I & II

4. Upper Division Restricted Electives
   - (21 hrs)
     - (Must be taken within the History Department)
     - Students must complete at least 18 hours within the department.
     - Students may use courses numbered 3000-4000 (in a foreign language).
     - Courses numbered 3000-4000 must be completed in residency at UCF.
     - Students must complete at least 18 of the required 36 History hours at UCF.

5. Departmental Exit Requirements
   - Maintain a minimum GPA of 2.0 in upper division required courses attempted.

   Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student’s written work throughout major course work including, but not limited to, book critiques, in-class essay exams, and term papers.

   Computer competency met by completion of the major.

   Students must complete at least 18 of the required 36 History hours at UCF.

6. Foreign Language Requirements
   - (0-8 hrs)
   - Admission: Met by graduation requirement
   - Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

7. Electives
   - (variable)
   - Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required
   - 120 hrs

Related Programs: Humanities

Related Minors: African-American Studies, American Studies, Asian Studies, Humanities, Judaic Studies, Latin American Area Studies, Women’s Studies

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Transfer Notes:
- Grades below “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- AMH 2010* & 2020*: may use any two introductory courses with an AMH, EUH, LAH, ASH, HIS or WOH prefix. Students should realize that AMH 2010 and 2020 are prerequisites for all subsequent American history courses in the major.

Suggested Plan of Study:
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternatives in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
- Fall
  - AMH 2010 U S His 1492 1877 | 3
  - ENC 1101 Composition I | 3
  - ENC 1102 Composition II | 3
  - MGF 1106 Finite Mathematics | 3

- Spring
  - EUH 2000 Western Civilization I & II | 3
  - EUH 2001 Western Civilization II | 3

Sophomore Year
- Fall
  - ARH 2050* req# 1B3-GEP | 3
  - CGS 1060C Intro to Comp Sci | 3
  - EIU 2000* req# 3-Core | 3

- Spring
  - ARH 4820G Western Civilization I | 3
  - CGS 2060G Computer Science | 3
  - EIU 2000* req# 3-Core | 3

184 UNIVERSITY OF CENTRAL FLORIDA
HISTORY ACCELERATED PROGRAM (B.A. and M.A.)
Accelerated Undergraduate-Graduate Program

Note: For detailed information about this program, see the description in the “Accelerated Undergraduate-Graduate Programs” section.

HOSPITALITY MANAGEMENT (B.S.)
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, FL 32819
407-903-8000
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dean: Abraham Pizam

Degree Requirements

1. UCF General Education Program (GEP) (36 hrs)
   - A. Communication Foundations (9 hrs)
   - B. Cultural and Historical Foundations (9 hrs)
   - C. Mathematical Foundations (9 hrs)
     - Select MAC 1105 College Algebra (GEP)
     - Select STA 2023 Statistical Methods I or STA 2023 Statistical Methods I
     - Select ECO 2103 Microeconomics or ECO 2103 Microeconomics
     - Select one: PSY 2012, SYG 2000, ANT 2000
   - D. Social Foundations (3 hrs)
     - Select one: PSY 2012, SYG 2000, ANT 2000
   - E. Science Foundation (6 hrs)

2. Common Program Prerequisite (3 hrs)
   - HFT 1000 Introduction to Hospitality/Tourism (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Foundations
   - Quantitative Tools
     - CGS 2100C Computer Fundamentals of Business (GEP)
     - or STA 2023 Statistical Methods I
     - or ECO 2103 Microeconomics
     - or ECO 2103 Microeconomics
     - or MAC 1105 College Algebra (GEP)

4. Hospitality Management Core (34 hrs)
   - FSS 2221C Quantity Food Preparation 3 hrs
   - HFT 3540 Guest Services Management 3 hrs
   - HFT 2401 Hospitality Financial Accounting 3 hrs
   - HFT 3431 Hospitality Managerial Accounting 3 hrs
   - HFT 2500 Hospitality Marketing 3 hrs
   - HFT 2220 Hospitality Human Resource Mgmt 3 hrs
   - HFT 3444 Hospitality Information Systems 3 hrs
   - HFT 3663 Legal Environment in Hospitality 3 hrs
   - HFT 4295 Leadership and Strg Mgmt in Hospitality Ind 3 hrs
   - HFT 4286 Hospitality Communications 3 hrs
   - HFT 4464 Hospitality Industry Finance 3 hrs
   - HFT 3933 Distinguished Lectures in Hosp Mgmt 1 hr

5. Sectoral Core (Choose 6 of the Following 7) (18 hrs)
   - HFT 2254 Lodging Operations 3 hrs
   - HFT 3700 Tourism Management 3 hrs
   - HFT 2750 The Event Industry 3 hrs
   - HFT 3263 Restaurant Management 3 hrs
   - HFT 3273 Principles of Resort Time Sharing 3 hrs
   - HFT 4755 Theme Park and Attraction Mgmt 3 hrs
   - HFT 4277 Yacht, Country, and City Club Mgmt 3 hrs

6. Internship (3 hrs)
   - HFT 3940 Internship I 1 hr
   - HFT 4941 Internship II 1 hr
   - HFT 4944 Internship III 1 hr

7. Special College Requirements:
   - Final exams will be given during Final Exam Week only.
   - Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

8. Restricted Electives: (15 Hrs)
   Generalist Track: Students must take 15 credit hours (five courses) of Hospitality Management courses in the Hospitality Management Specialized Tracks or the restrictive electives in other degree programs (see Restaurant and Food Service Management B.S. and/or Event Management B.S.) offered by the Rosen College. Please note: No more than two courses (six credit hours) may be taken from any one track or degree program at the Rosen College of Hospitality Management to satisfy the restricted elective requirement.

SPECIALIZED TRACKS – Select one of the tracks below

A. Vacation Ownership Resort Management Track – 15 hrs (5 Courses)
   - HFT 4786 Managing the Guest Experience in Theme Parks and Attractions 3 hrs
   - HFT 4759 Product Development in Theme Parks and Attractions 3 hrs
   - HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry 3 hrs
   - HFT 4522 Managing the Employee Experience in Theme Parks and Attractions Industry 3 hrs
   - HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs
   - HFT 4795 Entertainment Arts and Events 3 hrs
   - HFT 4614 Risk Management in Theme Parks 3 hrs
   - HFT 3784 Amusement Technology 3 hrs

B. Theme Park and Attraction Mgmt Track – 15 hrs (Choose 5 Courses from the following list)
   - HFT 4786 Managing the Guest Experience in Theme Parks and Attractions 3 hrs
   - HFT 4759 Product Development in Theme Parks and Attractions 3 hrs
   - HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry 3 hrs
   - HFT 4522 Managing the Employee Experience in Theme Parks and Attractions Industry 3 hrs
   - HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs
   - HFT 4795 Entertainment Arts and Events 3 hrs
   - HFT 4614 Risk Management in Theme Parks 3 hrs
   - HFT 3784 Amusement Technology 3 hrs

C. Tourism Management Track – 15 hrs (Choose 5 Courses from the following list)
   - HFT 4735 Tourism Geography 3 hrs
   - HFT 4722 Travel Agency Management 3 hrs
   - HFT 4762 Current Practices in the Airline Industry 3 hrs
   - HFT 4736 Destination Management 3 hrs
   - HFT 4561 Destination Marketing 3 hrs
   - HFT 3770 Cruise Line Operations and Management 3 hrs

D. Lodging Management Track – 15 hrs (5 Courses)
   - HFT 3323 Hospitality Physical Plant Management 3 hrs
   - HFT 4343 Hospitality Facilities Planning & Design 3 hrs
   - HFT 4473 Hotel Development Analysis 3 hrs
   - HFT 4253 Hotel Operations 3 hrs
   - HFT 3515 Reservations Sales & Marketing 3 hrs

E. Hospitality Financial Management and Technology – 15 hrs (5 Courses)
   - HFT 4442 Vacation Ownership Resort Reservations/ Data Base Systems 3 hrs
   - HFT 4473 Hotel Development Analysis 3 hrs
   - HFT 4457 Food, Beverage and Labor Cost Controls 3 hrs
   - HFT 4432 Hospitality Industry Auditing 3 hrs
   - HFT 4413 Technology Applications for Management 3 hrs
   - HFT 3784 Amusement Technology 3 hrs

F. Golf and Club Management Track (Choose 5 Courses from the following list)
   - HFT 3590 Career and Promotional Development in Gol 3 hrs
   - HFT 3357 Golf Event Operations 3 hrs
   - HFT 3384 Golf and Club Enterprises 3 hrs
   - HFT 3236 Concepts and Practices of Golf Assoc. 3 hrs
   - HFT 2259 Design and Maintenance of Golf Equip 3 hrs
   - HFT 3353 Golf Planning and Operations I 3 hrs
   - HFT 3355 Golf Planning and Operations II 3 hrs
   - HFT 3356 Agronomy for Golf Course Mgmt 3 hrs
   - HFT 4358 Golf Course Facility Design 3 hrs

UCF Degree Programs
9. Foreign Language Requirements (0-8 hrs)
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

11. Unrestricted Electives (3-11 hrs)
As necessary to result in 120 total credit hours.

Total Semester Hours Required 120 hrs

12. Community/Junior College Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student: $75 per term
- Part-time Student: $37.50 per term

FOUR YEAR PLAN OF STUDY FOR HOSPITALITY MANAGEMENT*
*Plan your required nine summer credit hours into your course of study.

<table>
<thead>
<tr>
<th>Class</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Freshman</td>
<td>ENC 1101</td>
<td>ENC 1102</td>
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<tr>
<td></td>
<td>Cult-Hist I</td>
<td>Cult-Hist II</td>
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<td></td>
<td>CGS 2100C</td>
<td>SPA 1608</td>
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<td></td>
<td>HFT 1000</td>
<td>HFT 2500 Hospitality Marketing</td>
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<td>PSY 2012, SYG 2000</td>
<td>MAC 110G College Algebra</td>
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<td></td>
<td>ANT 2000</td>
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<td>Sophomore</td>
<td>ECO 2013</td>
<td>HFT 2200 Hosp Hum Res</td>
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<td>Perm Elect</td>
<td>FSS 2221C Quant Food Prep</td>
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<tr>
<td>Junior</td>
<td>HFT 3540 Guest Svcs Mgmt</td>
<td>HFT 2401 Hosp Fin Acct</td>
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<td>HFT 3063 Legal Environ</td>
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<td>HFT 3411 Hosp Mgr Acct</td>
<td>Operations Core</td>
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<td>Hospitality Elective</td>
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<tr>
<td></td>
<td>1. Foundations</td>
<td>2. Western Traditions and Applications</td>
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<tr>
<td></td>
<td>HUM 4301 The Classical Ideal</td>
<td>ARH 4310 Italian Renaissance Art</td>
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<td>HUM 3431 Ancient Humanities</td>
<td>ARH 4170 Greek and Roman Art</td>
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<tr>
<td></td>
<td>HUM 3435 Medieval Humanities</td>
<td>HUM 3552 Christian Thought</td>
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<tr>
<td></td>
<td>HUM 3255 Modern Humanities</td>
<td>HUM 3553 Moses, Jesus, &amp; Mohammed</td>
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<td></td>
<td>ARH 3370 Classical Mythology</td>
<td>CLT 3370 Comparative Mythology</td>
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<td>ARH 3378 Comparative Mythology</td>
<td>JST 3401 The Jewish People I</td>
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<tr>
<td></td>
<td>JST 3401 The Jewish People I</td>
<td>REL 3432 Roots of Western Mysticism</td>
</tr>
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</table>

Only one of the following may be taken
- PHH 3100 Ancient Philosophy
- PHH 3200 Medieval Philosophy
- PHH 3460 Modern Western Philosophy

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      (9 hrs)
   B. Cultural and Historical Foundations
      (9 hrs)
      - Select HUM 2210 Humanistic Tradition I
      - Select HUM 2230 Humanistic Tradition II
      - Prefer PHI 2010 Intro to Philosophy or REL 2300 World Religions
      - Prefer MGF 1106 Finite Mathematics or MGF 1107
      - (may substitute a higher level math)
      - Prefer STA 1060C Statistics Using Excel
   C. Mathematical Foundations
      - Prefer MGF 1106 Finite Mathematics or MGF 1107
   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 2220 Encountering the Humanities 3 hrs
   - HUM 4933 Humanities Senior Research Seminar 3 hrs

4. Concentrations (choose one) (24 hrs)
   Note: Appropriate new, or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

   A. Classical Humanities:
      1. Foundations (9 hrs)
         - Select two courses
         - HUM 3431 Ancient Humanities
         - HUM 3435 Medieval Humanities
         - HUM 3255 Modern Humanities

      2. World Intellectual Traditions (6 hrs)
         - PHH 3100 Ancient Philosophy
         - PHH 3200 Medieval Philosophy
         - PHH 3460 Modern Western Philosophy

   - 3. World Intellectual Traditions (6 hrs)
      - PHH 3100 Ancient Philosophy
      - PHH 3200 Medieval Philosophy
      - PHH 3460 Modern Western Philosophy
      - Select one course from the following:
      - HUM 3401 Asian Humanities
      - HUM 3417 Hindu Thought and Culture
      - HUM 3419 Islamic Thought and Culture
      - HUM 3460 Latin American Humanities
      - HUM 4503 The Spiritual Ideal
      - HUM 4554 Religious Quest and the Human Dilemma


<table>
<thead>
<tr>
<th>B. Multicultural Humanities</th>
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<tbody>
<tr>
<td>1. Foundations</td>
<td>HUM 3320 Contemporary Multicultural Studies 3 hrs</td>
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<tr>
<td>Select one</td>
<td>HUM 3431 Ancient Humanities 3 hrs</td>
</tr>
<tr>
<td>HUM 3435 Medieval Humanities</td>
<td></td>
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<tr>
<td>Select one</td>
<td>HUM 3252 Contemporary Humanities 3 hrs</td>
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<tr>
<td>HUM 3255 Modern Humanities</td>
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<tr>
<td>2. Traditions and Applications</td>
<td>(15 hrs)</td>
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<tr>
<td>ANT 3311 Indians of the Southeastern US</td>
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<td>ARH 3520 African Art</td>
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<tr>
<td>HUM 3401 Asian Humanities</td>
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<td>HUM 3417 Hindu Thought and Culture</td>
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<td>HUM 3419 Islamic Thought and Culture</td>
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<td>HUM 3553 Moses Jesus and Mohammed</td>
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<td>HUM 3460 Latin American Humanities</td>
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<td>JST 3401 The Jewish People I</td>
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<td>PHP 3701 Native American Philosophy</td>
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<td>PHP 3790 African Philosophy</td>
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<tr>
<td>PHM 3123 Feminist Theory</td>
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<table>
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<tr>
<th>C. Critical Humanities</th>
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<tbody>
<tr>
<td>1. Foundations</td>
<td>HUM 3255 Modern Humanities</td>
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<td>HUM 3252 Contemporary Humanities</td>
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<tr>
<td>PHI 4804 Critical Theory</td>
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<td>2. Traditions and Applications</td>
<td>(15 hrs)</td>
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<tr>
<td>HUM 4330 Performance Theory</td>
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<td>HUM 4554 Religious Quest and the Human Dilemma</td>
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<td>HUM 3930 Representations of Place and Space</td>
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<td>PHH 3510 Marx and Nietzsche</td>
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<td>PHI 3638 Ethical Issues in the 21st Century</td>
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<td>PHI 3203 Philosophy, Religion, and the Environment</td>
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<td>PHI 3022 Sexuality, Gender, and Philosophy</td>
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<td>PHM 3123 Feminist Theories</td>
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<td>PHP 3706 Existentialism</td>
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<td>PHP 4782 Phenomenology</td>
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<td>REL 3111 Religion and Philosophy through Film</td>
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<tr>
<td>REL 3115 Religion, Spirituality, and Popular Music</td>
<td></td>
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</tbody>
</table>

| 5. Upper division Restricted Electives | (3 hrs) |
| Select one course from the “Traditions and Applications” category in the concentrations that are not being used to satisfy Core Requirements, or other courses as approved by advisor. |

| 6. Honors in the Major | |
| Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows: |
| Core and Elective Requirements | (33 hrs) |
| Same requirements as for regular majors |
| Honors Thesis | HUM 4903H Honors Directed Readings 3 hrs |
| HUM 4907H Honors Thesis 3 hrs |
| Additional Requirements | |
| Application and admission through the Humanities Honors Coordinator and the Burnett Honors College | |
| Fulfill University requirements for Honors in the Major | |
| Earn a “B” (3.0) or better in both HUM 4903H and HUM 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 | |
| No More than three courses (i.e. nine credit hours) of 3000 or 4000 level courses applied to the B.A. in Humanities may be simultaneously applied to fulfill another major. |

| 7. Departmental Exit Requirements | |
| Earn a “C” (2.0) or better in each required course. | |
| Departmental Exit Exam in final semester. | |
| Computer Competency met by HUM 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 | (variable) |
| 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 | |
| Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department. |

| 10. University Minimum Exit Requirements | |
| A 2.0 UCF GPA | |
| 60 semester hours earned after CLEP awarded | |
| 48 semester hours of upper division credit completed | |
| 30 of the last 36 hours of course work must be completed in residency at UCF | |
| A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted | |
| Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable) |

| Total Semester Hours Required | 120 hrs |

| Related Programs: Religious Studies, Philosophy, Humanities—Philosophy, Religion, and Popular Culture |
| Related Minors: Environmental Studies, Humanities, Philosophy, Religious Studies |

| Transfer Notes: | |
| Courses taken at community colleges do not substitute for Upper Division courses. | |
| Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information. |

| Program Academic Learning Compacts | Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: | http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm |

| Suggested Plan of Study: | |
| One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections. |

| Freshman Year | |
| Fall | |
| ENC 1101 Composition I | 3 |
| HUM 2210 Hum Tradition I | 3 |
| MGF 1106* req# 1C1-GEP | 3 |
| HUM 2020 Encounter the Hum | 3 |
| PHI 3786 Existentialism | 3 |
| REL 3115 Religion and Philosophy through Film | 3 |
| Sophomore Year | |
| Fall | |
| ANT 2511* req# 1E2-GEP | 3 |
| COM 1000* req# 1A3-GEP | 3 |
| PSY 2012* req# 1D2-GEP | 3 |
| HUM 3431* req# 4A1-ClasHu | 3 |
| Junior Year | |
| Fall | |
| ARH 4310* req# 4A2-ClasHu | 3 |
| CLT 3378* req# 4A2-ClasHu | 3 |
| JST 3401* req# 4A2-ClasHu | 3 |
| Senior Year | |
| Fall | |
| Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 |

| HUMANITIES—PHILOSOPHY, RELIGION & POPULAR CULTURE TRACK (B.A.) | |
| College of Arts and Humanities | Philosophy Department, PSY 220 | | http://www.philosophy.cah.ucf.edu/ |
| E-mail: philosophy@ucf.edu | |
| Advisor: Doug Evans, 407-823-2273; Fax: 407-823-6658; | |
| Advisor (Cocoa): Shelley Park, 321-433-7919 | |

| Admission Requirements | None |

| Degree Requirements | |
| Students who change degree programs and select this major must adopt the most current catalog. |
UCF Degree Programs

- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      HUM 2210 Humanistic Traditions I GEP
      HUM 2230 Humanistic Traditions II GEP
      PHI 2010 Intro to Philosophy GEP
   B. Historical and Cultural 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
      Prefer MGF 1106 Finite Mathematics or MGF 1107
      (May substitute a higher level math)
      Prefer STA 100C 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
      HUM 2210 Humanistic Traditions I
      HUM 2230 Humanistic Traditions II
      PHI 2010 Intro to Philosophy
      PHI 2010 Intro to Philosophy
   b. Theoretical Foundations
      PHI 3684 Ways of Living
      PHI 4341 Ways of Knowing
   c. Philosophy
      Select two courses:
      PHI 2108 Critical Thinking
      PHI 3670 Ethical Theory
      PHI 3700 Philosophy of Religion
      PHI 3800 Aesthetics
      PHM 3100 Freedom and Justice
      PHI 3720 Faith and Reason
      PHP 3786 Existentialism
      PHI 4804 Critical Theory
      PHI 4300 Theories of Knowledge
   d. Religion
      Select two courses:
      HUM 3552 Christian Thought
      HUM 3553 Moses, Jesus, and Mohammed
      HUM 3417 Hindu Thought and Culture
      HUM 3419 Islamic Thought and Culture
      HUM 4303 The Spiritual Ideal
      HUM 4554 Religious Quest and the Human Dilemma
      PHI 3750 The Problem of Evil

4. Popular Culture Studies (12 hrs)
   a. Contemporary Media
      Select two courses:
      HUM 3320 Contemporary Multicultural Studies
      HUM 4556 Religion and the Arts
      HUM 4330 Performance Theory
      PHI 3625 Virtual Ethics
      PHI 4931 Philosophy in the News
      POS 3235 Mass Media and Politics
      POS 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
      Select two courses:
      ANT 3302 Sex, Gender and Culture
      HUM 3252 Contemporary Humanities
      PHI 3622 Sex, Gender and Philosophy
      PHI 3629 Family Values
      PHI 3033 Philosophy, Religion and the Environment
      PHM 3401 Philosophy of Law
      PHI 3636 Ethical Issues in the 21st Century
      PHI 3663 Philosophy of Friendship
      PHI 3620 Philosophy of Love
      PHI 3232 Feminist Theories
      PHI 4321 Philosophies of Embodiment: Mind/Body/Self
      REL 3131 Religion in America

5. Capstone Course (3 hrs)
   HUM 4933 Senior Research Seminar

6. Honors in the Major (Optional)
   Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:
   a. Core Requirements, Popular Culture and Capstone (33 hrs)
   b. Honors Thesis (6 hrs)
      HUM 4903H Honors Directed Readings
      HUM 4970H Honors Thesis
   c. Additional Requirements of Honors in the Major
      - Application and admission through the Humanities Honors Coordinator
      - 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
      - No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Humanities: Philosophy, Religion & Popular Culture may be simultaneously applied to fulfill another major.

7. Departmental Exit Requirement
   - Departmental Exit Exam in final semester.
   - Earn a “C” (2.0) or better in each required course.
   - Computer Competency met by HUM 4970H, HUM 4933, or STA 1060C.
   - To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

8. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

9. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department.

10. University Minimum Exit Requirements
    - 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 36 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Humanities or Religious Studies, Philosophy Related Minors: Humanities, Philosophy, Religious Studies

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

INDUSTRIAL ENGINEERING (B.S.I.E.)
College of Engineering and Computer Science
Industrial Engineering & Management Systems (IEMS) Department
ENG2 312, 407-823-2204; Fax: 407-823-3413
http://www.iems.ucf.edu/
Program Coordinator: Dr. William J. Thompson, P.E.
Admission Requirements: none

Degree Requirements
- Each engineering student is assigned a qualified engineering aca-
1. **UCF General Education Program for Engineering Students**

   The UCF General Education Program (GEP) is described in the section, *General Education Program*, found elsewhere in the Catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

   - **A. Communication Foundations**
     1. Select ENC 1101 & ENC 1102
     2. Prefer SPC 1603
   - **B. Cultural and Historical Foundations**
     1. Select two courses from Historical Foundations
     2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, or LIT 2120
   - **C. Mathematical Foundations**
     1. Select MAC 2311 (PR: MAC 1114)
     2. Select STA 3023 (PR: MAC 2312)
   - **D. Social Foundations**
     1. Prefer ECO 2013 or ECO 2023
     2. ANT 2000, PSY 2012, or SYO 2000
   - **E. Science Foundations**
     1. Select PHY 2048/48L (PR: MAC 2311)
     2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310

2. **Common Program Prerequisites (CPP’s)**

   These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in sections 2 and marked with an asterisk (*).

   **Note:** MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

   - CHS 1440 Fundamentals of Chemistry for Eng* 4 hr
   - MAC 2311 Calculus with Analytic Geometry I* GEP
   - MAC 2312 Calculus with Analytic Geometry II* 4 hrs
   - MAC 2313 Calculus with Analytic Geometry III* 4 hrs
   - MAP 2302 Differential Equations* 3 hrs
   - PHY 2048/48L Physics for Engineers & Scientists I* GEP
   - PHY 2049/49L Physics for Engineers & Scientists II* 4 hrs
   - ENC 1101 Composition I GEP
   - ENC 1102 Composition II GEP
   - Humanities Courses GEP
   - Social Science Courses GEP
   - Humanities or Social Sciences GEP

   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. **Courses Required for the Engineering Core**

   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., and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

   - EGN 1006C Intro to the Engineering Profession 1 hr
   - EGN 1007C Engineering Concepts & Methods 1 hr
   - COP 3223 Introduction to C Programming 3 hrs
   - EGN 3310 Engineering Analysis - Statics 3 hrs
   - EGN 3321 Engineering Analysis - Dynamics 3 hrs
   - EGN 3358 Thermodynamics 3 hrs
   - EGN 3373 Principles of Electrical Engineering 3 hrs

4. **Courses Required for the Major**

   The Industrial Engineering and Management Systems department requires all students within the major to achieve a 2.0 GPA or better in each course listed in sections 4., 5., and 6.

   - EGN 3613 Engineering Economic Analysis 2 hrs
   - EGN 4624 Engineering Administration 3 hrs
   - STA 3032 Probability & Statistics for Engineers GEP
   - EIN 3500 Introduction to IE & MS 2 hrs
   - EIN 3514C Work Measurement & Design 3 hrs
   - EIN 3534 Principles of Cost Engineering 3 hrs
   - ESI 4628C IE Applications of Computers 3 hrs
   - EIN 4517 Systems Engineering 3 hrs

5. **Approved Technical Electives**

   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**

   - EIN 4516C Systems Analysis & Design 3 hrs
   - EIN 4891C IE Senior Design Project 3 hrs

   **Note:** Take the Fundamentals Exam during the Senior year.

7. **Foreign Language Requirements**

   **Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   **Graduation:** none

8. **University Minimum Graduation Requirements**

   - A 2.0 UCF GPA.
   - 60 semester hours earned after any CLEP award.
   - 48 semester hours of upper division credit completed.
   - 30 of the last 36 hours of course work must be completed in residency at UCF.
   - 25% of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

   **Equipment Fee**

   - Full-time Student: $90 per term
   - Part-time Student: $45 per term

   **Tentative Course Schedule for Entering Freshmen**

   The tentative course schedule 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**

   **Fall**
   - 12 hrs
   - *CHS 1440 Fund of Chem/Engrs 4
   - *ENC 1101 English Comp I 3
   - *MAC 2311 Calc with Analytic Geol 4
   - EGN 1006C Intro to Eng 3

   **Spring**
   - 12 hrs
   - *ENC 1102 English Comp II 3
   - *MAC 2312 Calc with Analytic Geol 4
   - EGN 1007C Eng Conc&Meth 4
   - SYG 2000

   **Summer**
   - 6 hrs
   - COP 3223 Intro to C Programming 3
   - *ECC 2013 Microeconomics 3
   - *ECO 2023 Macroeconomics 3

   **Note:** Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.

   **Program Academic Learning Compacts**

   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

   **Equipment Fee**

   - Full-time Student: $90 per term
   - Part-time Student: $45 per term

   **Tentative Course Schedule for Entering Freshmen**

   The tentative course schedule 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**

   **Fall**
   - 12 hrs
   - *CHS 1440 Fund of Chem/Engrs 4
   - *ENC 1101 English Comp I 3
   - *MAC 2311 Calc with Analytic Geol 4
   - EGN 1006C Intro to Eng 3

   **Spring**
   - 12 hrs
   - *ENC 1102 English Comp II 3
   - *MAC 2312 Calc with Analytic Geol 4
   - EGN 1007C Eng Conc&Meth 4
   - SYG 2000

   **Summer**
   - 6 hrs
   - COP 3223 Intro to C Programming 3
   - *ECC 2013 Microeconomics 3
   - *ECO 2023 Macroeconomics 3
SECOND YEAR

Fall 13 hrs
- *PHY 2049/L Phys Engr/Sci II 4
- STA 3023 Prob & Stats Engrs 3
- EIN 3000 Intro to IE & Mgt Sys 3
- *MAC 2313 Calc with Analytic Geo III 4

Spring 15 hrs
- EIN 4243C Human Engnrng 3

Summer 8 hrs
- EGN 3613 Engineering Econ Anal 2
- *Social Foundations II 3
- EGN 3321 Engr Anal-Dynamics 3

THIRD YEAR

Fall 15 hrs
- EIN 3314C Work Meas & Dsgn 3
- EIN 4391C Mfg. Engr. 3
- ESI 3545 Princ of Cost Engnrng 3
- ESI 4312 Operations Research 3
- ESI 4628C IE Computer Appl 3

Spring 15 hrs
- EIN 3343C Work Meas & Dsgn 3
- ESI 4221 Empirical Mthds - IE 3
- ESI 4523C Systems Simulation 3
- ESI 4333C Industrial Cont Sys 3
- EGN 3358 Therm-Flds-HT Trans 3

Summer 6 hrs
- *Historical Foundations 3
- **Cultural Foundation 3

FOURTH YEAR

Fall 14 hrs
- EIN 4516C Sys Anal & Dsgn 3
- ESI 4234 Quality Engineering 3
- EGN 4624 Engineering Admin 3
- EGN 3373 Prin of Elec Eng 3
- Technical Elective 3

Spring 12 hrs
- EIN 4891C IE Sr. Design Proj 3
- Technical Elective 3
- Technical Elective 2

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
2. EGN 1066C and EGN 1074C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the departmental advisor, be moved to the area 5. Approved Technical Electives.

Accelerated BS/MS Degree Program

The Industrial Engineering & Management Systems Department offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of the Catalog for more information.

INFORMATION SYSTEMS TECHNOLOGY (B.S.)

College of Engineering and Computer Science

Engineering Technology (ENT) Department

ENGR 207, 407-823-4748; Fax: 407-823-4746

http://www.ent.ucf.edu

Coordinator: Dr. Bahman Motlagh, E-mail: bmotlagh@mail.ucf.edu

Admission Requirements

Students should complete 33 credit hours of lower level technical courses at a community college. Technical courses will be accepted in the following areas: networking, programming, information technology, computer science, and computer engineering and technology or closely related disciplines.

Degree Requirements

- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36 hrs)

A. Communication Foundations 3 hrs
   1. ENC 1101 & ENC 1102
   2. Prefer SPC 1603

B. Cultural and Historical Foundations 9 hrs
   1. Select MAC 1105
   2. Select STA 2023

C. Mathematical Foundations 6 hrs
   1. Select MAC 1105

D. Social Foundations 6 hrs
   1. ENC 3241  Writing For Technical professional 3 hrs

E. Science Foundations 6 hrs
   1. STA 2023 Statistical Methods 3 hrs

2. Lower Level Required Courses (33 hrs)

   MAD 2104  Foundations of Discrete Math 3 hrs
   Lower level technical courses taken at Community College 30 hrs

3. Prerequisite Courses (14 hrs)

   (C (2.0) or better grade required in all courses)
   MAC 1105  College Algebra and Analytical Geometry 3 hrs
   MAC 1114  College Trigonometry 3 hrs
   EET 3085C  Electricity & Electronics 4 hrs
   or EET 3086  Principles of Electrical Circuits 4 hrs
   CET 3115C  Digital Technology 4 hrs
   CET 2364  Systems Applications in C 3 hrs

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

4. Required Technical Courses (27 hrs)

   (C (2.0) or better grade required in all courses)
   CET 3529  Linux/Unix Sys Admin and Applications 3 hrs
   CET 3010  Intro to Info Technology 3 hrs
   CET 4427  Applied Database I 3 hrs
   CET 3383  Applied Systems Analysis I 3 hrs
   CET 4505  Applied Operating Systems I 3 hrs
   CET 2979  Intro to Telephony 3 hrs
   CET 4483  Intro to Local Area Network 3 hrs
   CET 4333  Computer Organization & Design 3 hrs
   CET 4746  Wide Area Networks I 3 hrs

5. IST Support Courses (6 hrs)

   ENC 3241  Writing For Technical professional 3 hrs
   EIN 4448  Applied Proj Mgmt 3 hrs
   STA 2023 Statistical Methods 3 hrs

6. Technical Electives (12 hrs)

   (C (2.0) or better grade required in all courses)
   Choose four from the following:

   CET 3198C  Digital Systems 3 hrs
   CET 4138C  Digital Programmable Devices 3 hrs
   CET 4931  Current Topics in Technology 3 hrs
   MAP 3401  Problem Analysis 3 hrs
   CET 4523  Applied Systems Analysis II 3 hrs
   CET 4429  Applied Database II 3 hrs
   CET 4583  Web Base Systems I 3 hrs
   CET 4584  Web Base Systems II 3 hrs
   CET 4663  Computer &Networks Security 3 hrs
   CET 4668  Practice of Information Security 3 hrs
   CET 4882  Network Defense Strategies 3 hrs
   CET 4884  Security Meth & Pract 3 hrs
   CET 4885  Investigative Digital Technology 3 hrs
   CET 4899  Sec Sensor & Biomet 3 hrs
   ETG 4905C  Senior Design Project 3 hrs
   ISM 3011C  Essentials of Management Information Systems 3 hrs
   ISM 4153C  Enterprise Information Systems 3 hrs
   ISM 4431  Business Process Analysis 3 hrs
   ISM 4154  Enterprise Application Development 3 hrs
   ISM 5219  Business Intelligence Systems 3 hrs

7. Departmental Exit Requirements none

8. Foreign Language Requirements (0-8 hrs)

   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation: none

9. Approved Technical Electives

   Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

10. University Minimum Graduation Requirements

   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - 25% of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)
INFORMATION SYSTEMS TECHNOLOGY (B.S.)
A.S. to B.S. TRACK
Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

INFORMATION TECHNOLOGY (B.S.)
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr., Rm 246,
407-823-2787; Fax: 407-823-5419
http://www.eecs.ucf.edu/
E-mail: undergraduate@eecs.ucf.edu
Contacts: Dr. Ali Orooji, HEC 245D;
Charlese Hilton-Brown, HEC 245F

Degree Requirements
- Students must earn at least a "C" (2.0) in each course in 2-5.
- Students should consult with a departmental advisor.
- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the School of Computer Science at UCF.
- 12 of the 24 Residency hours must be at the 4000-5000 level.

1. UCF General Education Program (36+1 hrs)

A. Communication Foundations
   9 hrs
1. ENC 1101 & ENC 1102
2. Prefer SPC 1003

B. Cultural and Historical Foundations
   6 hrs
1. Select MAC 1105
2. Select STA 2023
3. Select STA 2053
4. Select PHY 2053C

C. Mathematical Foundations
   6 hrs
1. Select PHY 2053C
2. Select PHY 2053C
3. Select PHY 2053C
4. Select ECO 2013

D. Social Foundations
   6 hrs
1. Select PSY 1012
2. Select CET 191
3. Select MAC 1114

E. Science Foundations
   7 hrs
1. Select PHY 2053C
2. Select ANT 2511
3. Select SCI 1050
4. Select SCI 1030
5. Select SCI 1020
6. Select SCI 1010

2. Common Program Prerequisites (12 hrs)

MAC 1141 Trigonometry
STC 2023 Statistical Methods
ECO 2013 Macroeconomics
PSY 2012 General Psychology
Table 1

3. Core Requirements (45 hrs)

Computing Science
CIS 3360 Security in Computing
CIS 3404 Human and Technology Interaction
EEL 3041 Circuit Analysis
EEL 3531 Information Theory
CIS 3695 Computer Architecture Concepts
CIS 4610L OS Laboratory
COT 3004 Computer Science
CIS 3003 Fundamentals of Information Technology
CIS 4313 Managing IT Integration
CNT 4714 Enterprise Computing
CIS 4004 Web-Based Information Technology
CNT 4703C Network Laboratory
COP 4910 Frontiers of Information Technology
COP 4020 Ethics in Science and Technology

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)

ENG 2001 Technical Report Writing
Select one from ENG 4293/ENG 4295, ENG 4414, or ENG 4415

5. Restricted Upper-Division Electives (6 hrs)

Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs.

6. School Exit Requirements

- Complete an exit interview with an assigned faculty advisor
- Computer competency met by completion of major

7. Free Electives (minimum 12 hrs)
UCF Degree Programs

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared an Interdisciplinary Studies major at least two semesters before graduation
- Co-op credit cannot be used in this major
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internships will not be counted towards the major
- Students must earn at least a “C” (2.0) in each core and restricted elective course
- Students must consult with an Interdisciplinary Studies advisor to enter the program
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- No courses can count in more than one subject area or in a subject area and a minor
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations
   - B. Cultural and Historical Foundations
   - C. Mathematical Foundations
   - D. Social Foundations
   - E. Science Foundations

2. Common Program Prerequisites
   - none

3. Core (6 hrs)
   - IDS 3933 Cornerstone Experience in Interdisciplinary Studies
   - IDS 4934 Capstone Experience in Interdisciplinary Studies

4. Restricted Electives (30 hrs)
   - Students must complete two different subject area concentrations from among those specified below.
   - Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies advisor and not simply when they appear on a student audit.
   - Students are required to take a minimum of 15 UCF hours, as well as 15 upper division hours, in the two areas combined.
   - See the Interdisciplinary Studies Advising Team for details regarding each area:
     - Arts
     - Behavioral and Social Sciences
     - Commerce
     - Communication
     - Computational Sciences
     - Education
     - Engineering
     - Health
     - Humanities
     - Letters and Modern Languages
     - Physical Sciences
     - Life/Biomedical Sciences
     - Public Affairs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student: $90 per term
- Part-time Student: $45 per term

INTERDISCIPLINARY STUDIES (B.A., B.S.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1, Room 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Contact: Interdisciplinary Studies Advising Team, 407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies. Depending on the concentration of work selected in consultation with an Interdisciplinary Studies advisor.

The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students.

This program may be completed online; however, there are limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.), some of which are not available via online courses. For more information, see http://online.ucf.edu/.

Admission Requirements
- none
5. Required Minor (18 hrs minimum)

Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

6. Program Exit Requirements

- A grade of "C" or above (2.0) is required for each course in the core and restricted electives.
- Computer Competency met by completing this major.

7. Foreign Language Requirements (0-8 hrs)

Admission-BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation-BA: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.

Graduation-BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

Note: Students entering without having met the admission requirements must do so in order to graduate.

8. Electives (variable)

Select primarily from upper level courses, with an Interdisciplinary Studies advisor’s approval.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Environmental Studies Track in Interdisciplinary Studies, Women’s Studies Track in Interdisciplinary Studies

Related Minors: Most UCF minors

Transfer Notes:

- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

INTERDISCIPLINARY STUDIES – ENVIRONMENTAL STUDIES TRACK (B.S.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1, Room 302
http://www.is.ucf.edu
E-mail: Is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

<table>
<thead>
<tr>
<th>Admission Requirements</th>
<th>Degree Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students who change degree programs and select this major must adopt the most current catalog</td>
<td>Students must have declared an Interdisciplinary Studies major at least one semester before graduation</td>
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<td>Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major</td>
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<td>Co-op credit cannot be used in this major</td>
</tr>
<tr>
<td>Students must earn at least a “C” (2.0) in each required course in the core and subject areas</td>
<td>Students must consult with a Interdisciplinary Studies advisor when entering the program</td>
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<td>Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours</td>
</tr>
<tr>
<td>Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree</td>
<td>1. UCF General Education Program (36+2 hrs)</td>
</tr>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select MAC 1105 or higher</td>
<td>Select STA 2023</td>
</tr>
<tr>
<td>Select STA 2023</td>
<td>Select SYG 2000</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select ECO 2013 or ECO 2023</td>
<td>Select SYG 2000</td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td>8 hrs</td>
</tr>
<tr>
<td>Select BSC 2010C</td>
<td>Select CHM 2045C</td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites: none

3. Core for Environmental Studies (11 hrs)

| A. Physical/Mathematical Sciences |  |
| CHM 2045C Chemistry Fundamentals I | GEP |
| MAC 1105 College Algebra or higher | GEP |
| PSC 1121 Physical Science I | 3 hrs |
| STA 2023 Statistical Methods I | GEP |
| B. Life Sciences |  |
| BSC 2010C Biology I | GEP |
| BSC 2011C Biology II | 4 hrs |
| PCB 3044/3044L Principles of Ecology & Lab | 4 hrs |
| C. Social Science & Humanities |  |
| ECO 2013 Principles of Macroeconomics |  |
| ECO 2023 Principles of Microeconomics | GEP |
| SYG 2000 General Sociology | GEP |

4. Subject Area: Environmental Studies Fundamentals (19 hrs)

| A. Physical Sciences |  |
| IDS 3150 Foundations of Environmental Studies | 3 hrs |
| ECP 3302 Economics and the Environment | 3 hrs |
| GIS 3043C GIS for Environmental Studies | 3 hrs |
| GIS 4301C Advanced GIS Applications for Environ. Studies | 4 hrs |
| PUP 3203 Environmental Politics | 3 hrs |
| SYD 4510 Environmental Sociology | 3 hrs |

5. Subject Areas: Restricted Electives (18 hrs)

Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.

Select 18 hours in one concentration

Sciences Concentration

Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

| BCH 4053 | Biochemistry I |
| BCH 4054 | Biochemistry II |
| BOT 3152C | Local Flora |
| BOT 3800 | Ethnobotany |
| BOT 4156C | Florida Wildflowers |
| BOT 4303C | Plant Kingdom |
| BOT 4686C | Conservation and Management of Native Plants |
| BOT 4713C | Plant Taxonomy |
| BSC 4312C | Marine Biology |
| CHM 3120 | Analytical Chemistry |
| OCE 3008 | Oceanography |
INTERDISCIPLINARY STUDIES - WOMEN’S STUDIES TRACK (B.A.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1, Room 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Contact: Interdisciplinary Studies Advising Team, 407-823-0144

Women’s Studies Program
Colbourn Hall 411
http://www.cah.ucf.edu/womensstudies
E-mail: womenst@mail.ucf.edu
Contact: Kate Oliver, 407-823-2260

Interdisciplinary Studies - Women’s Studies track is a broadly based interdisciplinary curriculum which leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women’s Studies Program in the College of Arts and Humanities.

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major - Women’s Studies track at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in this track.
- Students must earn at least a “C” (2.0) in each restricted elective course.
- Students must consult with an Interdisciplinary Studies advisor when entering the degree program and regularly thereafter.
- Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations 6 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

2. Common Program Prerequisites  none

3. Restricted Electives (36 hrs)
   - Students must complete either the Womanist/Women of Color subject area or the Women’s Studies Cognate subject area to satisfy the First Study Area.
   - Students must complete one subject area from those specified in the Second Study Area below.
   - Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
   - Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined.

First Study Area  (18 hrs)
Womanist/Women of Color Area:
- WST 3460 Womanist Studies (3 hrs)
- Select 15 hours from the following courses (15 hrs)
  - AML 3614 Topics in African-American Literature
  - ANT 4308 Gender Issues in Latin America
  - ASH 4304 Women in China
  - AML 3682 Ethnic Literature in America
  - SYD 3751 North American Indian Women Today
- Other courses approved by the Interdisciplinary Studies Advising Team

UCF Degree Programs

PCB 3063 Genetics
PCB 3304C River Ecology
PCB 3314 Marine Biodiversity
PCB 3442 Florida Aquatic Ecology
PCB 4302C Physiochemical Limnology
PCB 4303C Biological Limnology
PCB 4683 Evolutionary Biology
PCB 4723 Animal Physiology
PCB 5045 Conservation Biology
PCB 5326C Ecosystems of Florida

Values, Planning, & Policy Concentration

Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.
- ANT 3541 Biobehavioral Anthropology
- BOT 3800 Ethnobotany
- ECP 4302 Economics of the Environment
- ENC 3211 Theory and Practice of Technical Writing
- ENC 3241 Writing for the Technical Professional
- ENC 4360 Nature Writing
- GIS 4035C Remote Sensing of Environment
- INR 4351 International Environmental Law
- PUP 4204 Urban and Regional Planning
- PUP 4351 Issues in Environmental Program Management
- PHI 3033 Philosophy, Religion, & the Environment
- PHI 3640 Environmental Ethics
- PHI 4400 Philosophy of Science
- PHI 4633 Ethics and Biological Science
- PHM 4031 Environmental Philosophy
- PLA 4554 Land Use and Environmental Law
- PHIL 4600 Ethics and Environmental Policy

6. Program Exit Requirements (0-8 hrs)
   - A grade of “C” or above (2.0) is required for each course taken in the subject areas and core
   - Computer Competency is met by completing this major

7. Foreign Language Requirements (0-8 hrs)
   - 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 or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable)
   - Select primarily from upper level courses, with advisor approval

9. University Minimum Exit Requirements
   - A 2.0 UCF and overall GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Required Hours 120 hrs
Related Programs: Biology, Chemistry, Environmental Engineering, Political Science, Economics
Related Minors: All minors

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning.compacts.htm
Women’s Studies Cognate Area:
Select 18 hours from the following courses: (18 hrs)
- AML 3614 Topics in African-American Literature
- AML 3662 Ethnic Literature in America
- AML 4261 Literature of the South
- ANT 3212 Peoples of the World
- CCJ 4129 Cultural Diversity in Criminal Justice
- CCJ 4681 Domestic Violence and the Justice System
- EIU 3242 Modern Europe and the First World War
- EUH 5937 Social Theory/History*
- HSC 3593 HIV Disease: A Human Concern
- JST 5556 Feminist Theory*
- LIN 4643 Cross Cultural Communication
- PEP 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 4732 Minority Aging
- THE 3230 Cultural Diversity Through Theater

Other courses may be utilized for this area with the permission of the director.

*Undergraduate students will need professor’s permission to register for graduate-level courses.

Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women’s Studies Director, some courses may substitute.

Second Study Area (from those below) (18 hrs)
See the Interdisciplinary Studies Advising Teams for details regarding each area:
- Arts
- Behavioral and Social Sciences
- Commerce
- Communication
- Computational Sciences
- Education
- Engineering
- Health
- Humanities
- Letters and Modern Languages
- Life/Biomedical
- Physical Sciences
- Public Affairs

4. Required Minor (18 hrs)
Students must complete the Women’s Studies minor.

5. Program Exit Requirements
- A grade of “C” or above (2.0) is required for each course taken in each of the subject areas.
- Computer Competency is met by CGS 1060C, STA 1060C, or departmental assessment.

6. Foreign Language Requirements (0-8 hrs)
**Admission: Met by graduation requirement**

**Graduation:** Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.

**Note:** Students entering without having met the admission requirement must do so in order to graduate.

7. Electives (variable)
Select primarily from upper level courses, with Interdisciplinary Studies advisor’s approval. May be outside of Women’s Studies.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

**Total Semester Hours Required** 120 hrs

**Related Programs:** Interdisciplinary Studies - Interdisciplinary Studies track

**Related Minors:** Most UCF minors

**Transfer Notes:**
- Courses taken at community colleges do not substitute for Upper Division courses
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**INTERNATIONAL AND GLOBAL STUDIES (B.A.)**

**College of Sciences**

**Political Science Department, PH 302, 407-823-2608**
http://www.cos.ucf.edu/politicalscience

**E-mail:** politics@ucf.edu

**Contact:** R. Handberg, 407-823-2608

**Admission Requirements**

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Double major/dual degree policy in Political Science programs and minors
  1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses, except POS 2041 and POS 3703, toward both programs.
  2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except POS 2041.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- Courses designated in 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
     1. Prefer WOH 2012
     2. Prefer from GEP B.2 list
     3. Prefer WOH 2022
   - C. Mathematical Foundations 6 hrs
     1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math)
     2. Prefer STA 2014C or STA 1060C
   - D. Social Foundations 6 hrs
     1. Prefer POS 2041
     2. Prefer from GEP D.2 list
   - E. Science Foundations 6 hrs
   - 2. Common Program Prerequisites none

2. **Core Requirements** (24 hrs)
   - INR 2002 International Relations-Theory and Practice 3 hrs
   - POS 2041 American National Government
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - GEO 3471 World Political Geography 3 hrs
   - IDS 4315 Global Perspectives 3 hrs
   - COP 3103 Comparative Politics 3 hrs
   - POS 3703 Scope and Methods of Political Science 3 hrs
   - INR 4803 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 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 4590 Global Environmental Politics
   INR 4054 Global Politics of Energy
   INR 4074 Immigration Policy
   INR 4075 Human Rights Policy
   INR 4076 Global Drug Policy
   INR 4304 Issues in International Public Policy
   INR 4364 The Intelligence Community
   INR 4714 Politics of International Trade Policy
   INR 4035 International Political Economy
   INR 4085 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 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 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, European Studies, Latin American Studies, Middle East Studies, or Spanish.
   Notes: No more than one course may be used to fulfill both this track and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Spanish, or Modern Language Combination.

6. Departmental Exit Requirements
   - Maintain a minimum GPA of 2.0 in the major.
   - Computer Competency met by POS 3703.
   - Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements (0-14 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable) Select primarily from upper level courses, with departmental advisors approval. May be taken outside of the department.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - A maximum of 45 hours of extension, correspondence, CLEP, transfer credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required                  120 hrs

Related Programs: Anthropology, Economics, History
Related Minors: Anthropology, Economics, History, Psychology, Sociology, Philosophy

Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

INTERPERSONAL/ORGANIZATIONAL COMMUNICATION (B.A.)

College of Sciences
Nicholson School of Communication
COMM 238, 407-823-2681
http://communication.cos.ucf.edu/undergraduate/degrees/io.php
Contact: Jeff Butler, 407-823-2432, E-mail: jbutler@mail.ucf.edu

Admission Requirements
- none

Degree Requirements
- Students who change degree programs (other than from I/O Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit can be used in this major with prior advisor approval
- Students cannot exceed a total of six credits of internship, Co-op, and independent study credits combined.
- Students should consult with a departmental advisor
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Communication
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      Select ENC 1101 & ENC 1102 6 hrs
      Select SPC 1608 3 hrs
   B. Cultural and Historical Foundations
      Select MGF 1106 (may substitute a higher level math) 3 hrs
      Select STA 1060C or STA 214C 3 hrs
   C. Mathematical Foundations
      Select STA 1106 or STA 2104C 3 hrs
   D. Social Foundations
      Select MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
      Select STA 1060C or STA 214C 3 hrs
   E. Science Foundations
      Select STA 1060C or STA 214C 3 hrs

2. Common Program Prerequisites (0 hrs)
   SPC 1608 Fund of Oral Communication
   GEP
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements (15 hrs)
   a. Select one course
      STA 1060C Basic Statistics Using Excel
      STA 214C Principles of Statistics
   b. Complete the following
      COM 3011C Communication & Human Relations
      COM 3120 Organizational Communication
      COM 3311 Communication Research Methods
      SPC 3301 Interpersonal Communication
   c. Select one course
      CGS 2100C Computer Fundamentals for Business
      CGS 2585C Desktop/Internet Publishing (PR: CGS 1060C)
      CGS 3175 Internet Applications (PR: CGS 1060C)

4. Restricted Electives (21 hrs)
   Select from the following list:
   COM 3013 Communication and the Family
   COM 3110 Business and Professional Communication
   COM 4014 Gender Issues in Communication
   COM 4461 Intercultural Communication
5. External Restricted Electives (6 hrs)
A minimum of six upper division credit hours selected from courses in Anthropology, Business, Criminal Justice, Legal Studies, Political Science, Psychology, Public Administration, and Sociology.

6. School Exit Requirements
- Achieve a “C” (2.0) or better average GPA in Nicholson School courses.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.
- Computer Competency met by achieving a “C” (2.0) or better in CGS 2100C, CGS 2585C, CGS 3175, or by departmental assessment.
- Before applying to graduate, the CLAST must be completed satisfactorily.

7. Foreign Language Requirements (0-8 hrs)
Admission: Met by graduation requirement
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable)
Select primarily from upper level courses. May be taken outside of the School of Communication.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
Related Minors: Mass Communication, Interpersonal Communication, Organizational Communication.

Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
ENC 1101 Composition I 3
MGF 1106* req# 1C1-GEP 3
Elective* Check restrictions 4
SPN 1120C* req# Lang/Elec 4
Spring
ANT 2000* req# 1D2-GEP 3
BSC 1005* req# 1E2-GEP 3
MUL 2010* req# 1-GEP 3
SPE 1608 Fund of Oral Com 3
Elective* Check restrictions 3
Sophomore Year
Fall
COM 4941 Internship 3
COM X949 Coop 3
SPC 4540 Attitudes and Communication 3
Spring
COM 4906 Directed Independent Study 3
COM 3406 Motivation and Communication 3
SPC 4426 Group Dynamics 3
JOURNALISM (B.A.)
College of Sciences
Nicholson School of Communication
COMM 238, 407-823-2681
http://communication.cos.ucf.edu/undergraduate/degrees/journalism.php
E-mail: journalism@ucf.edu
Contact: R. Brunson, 407-823-3151
Limited Access program
Admission Requirements
- Students should apply to become Journalism majors only after completing all requirements for admission. Deadlines are:
  - October 1 to be admitted the next Spring term
  - February 1 to be admitted the next Summer term
  - July 1 to be admitted the next Fall term
- Admission is based on multiple factors, not strictly GPA.
- Attain an overall minimum 2.25 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis.
- Meet a grammar proficiency standard. Students with AP credit or an “A-” or better in both ENC 1101 and ENC 1102 have satisfied the requirement. All others must pass a grammar proficiency exam administered by UCF’s Counseling and Testing Center.
- Have acceptable keyboard skills.
- Submit an essay demonstrating commitment to the field; include previously published journalistic work, if any.

Degree Requirements
- Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.
- The Journalism faculty strongly recommends that majors work for a student newspaper.
- Journalism majors may obtain an off-campus internship with a commercial weekly or daily newspaper or with a magazine.
- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of three 2-credit internship.
- The interships 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.

UCF Degree Programs
1. UCF General Education Program (36 hrs)
   - A. Communication Foundations
     - Select ENC 1101 & ENC 1102 6 hrs
     - Select SPC 1608 or SPC 1603 3 hrs
   - B. Cultural and Historical Foundations
     - 9 hrs
   - C. Mathematical Foundations
     - Select MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
     - Prefer CGS 1060C or STA 2043C 3 hrs
   - D. Social Foundations
     - 6 hrs
   - E. Science Foundations
     - 6 hrs

2. Common Program Prerequisites: (0 hrs)
   - Select one course GEP
     - SPC 1603 Fund of Technical Presentations or SPC 1608 Fund Oral Communication
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Common Core requirements (15 hrs)
   - JOU 2100C: News Reporting 3 hrs
   - JOU 4201*: Editing I 3 hrs
   - MMC 3200: Mass Communication Law 3 hrs
   - JOU 4700: Journalism Ethics 3 hrs
   - JOU 4342C: Converged Journalism 3 hrs
   *Grammar Proficiency must be satisfied. Must earn at least a “C” (2.0) to enroll in subsequent courses.

4. Specialization: Select one area (17-18 hrs)
   - a. Required courses
     - JOU 3184C: Metro Reporting 3 hrs
     - JOU 3101: Advanced Reporting 3 hrs
     - JOU 4181: Public Affairs Reporting 3 hrs
   - b. Directed Electives (Select from the following) 8-9 hrs
     - MMC 2004: Mass Media
     - JOU 3004: History of American Journalism
     - PGY 3610C: Photojournalism I
     - PGY 3620: Photojournalism II
     - PGY 3630: Photojournalism III
     - VIC 3001: Visual Communication
     - JOU 3940 or JOU 4941 Internship
     - Any other JOU prefix writing elective or one 2 credit JOU internship

4.2 Visual Communication (17-18 hrs)
   - a. Required courses
     - VIC 3001: Visual Communication 3 hrs
     - JOU 4213C: Page Design 3 hrs
     - JOU 4211C: Informational Graphics 3 hrs
     - PGY 3610C: Photojournalism I
   - b. Directed Electives (5-6 hrs)
     - Select two courses from the following
     - MMC 2004: Mass Media
     - JOU 3004: History of American Journalism
     - JOU 4340C: On-line Journalism
     - PGY 3620C: Photojournalism II
     - PGY 3630: Photojournalism III
     - CJS 2580C: Desktop/Internet Publishing
     - JOU 3940 or JOU 4941 Internship (2 credits maximum)

4.3 Editing (17-18 hrs)
   - a. Required courses
     - JOU 3202: Editing II 3 hrs
     - JOU 4213C: Page Design 3 hrs
     - JOU 3101: Advanced Reporting 3 hrs
     - JOU 4211C: Informational Graphics 3 hrs

b. Directed Electives (Select from the following) 5-6 hrs
   - MMC 2004: Mass Media
   - PGY 3610C: Photojournalism I
   - JOU 3004: History of American Journalism
   - JOU 4224: Magazine Editing and Production
   - VIC 3001: Visual Communication
   - Any other JOU prefix writing elective or one 2 credit JOU internship

5. Minor: (18 hrs min)
   - Journalism majors must complete an 18 hour minor in an academic area outside of the School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Faculty.

6. School Exit Requirements
   - Acceptance of portfolio by faculty
   - To avoid delaying graduation, you must request a review of requirements before registering for your last term
   - Achieve an overall “C” GPA (2.0) in courses taken within the school used to satisfy the major.
   - Computer Competency met by CGS 1060C or by departmental assessment.
   - Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements (0-8 hrs)
   - Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable)
   - Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the School of Communication. When no official minor is offered, students may complete an 18-hour area of concentration approved by the Faculty.

9. University Minimum Exit Requirements
   - Total Semester Hours Required 120 hrs
   - Related Programs: Technical Writing, Creative Writing
   - Related Minors: Creative Writing, History, Literature, Linguistics, Magazine Journalism (not available to Journalism majors), Political Science, Sociology, Technical Writing, Writing

   Transfer Notes:
   - Lower division courses taken at community colleges do not substitute for Upper Division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

   Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

   Equipment Fee
   - Full-time Student ............................................. $44 per term
   - Part-time Student ............................................ $22 per term
LEGAL STUDIES (B.A., B.S.)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311, 407-823-2603
http://www.cohpa.ucf.edu/crim.jus/
Undergraduate Program Director and Pre-Law Advisor:
David Slaughter, E-mail: dslaught@mail.ucf.edu

Admission Requirements: none
The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Degree Requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- 33 hours of PLA coursework must be taken at UCF.
- 2.0 in all PLA work at UCF and overall.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations (9 hrs)
      1. ENC 1101 & ENC 1102
   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 (21 hrs)
   PLA 3013 Law and the Legal System (3 hrs)
   PLA 3104 Legal Research (3 hrs)
   PLA 3155 Legal Writing (3 hrs)
   PLA 3201 Civil Practice and Procedure (3 hrs)
   PLA 3610 Property and Real Estate Law (3 hrs)
   PLA 4700 Professional Ethics and Liability (3 hrs)
   PLA 4935 Capstone: Legal Issues (3 hrs)
   Note: All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.

4. Upper Division Restricted Electives (21 hrs)
   21 additional hours of Legal Studies coursework selected in consultation with an advisor.

5. Supporting Courses (9-15 hrs)
   Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student's advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student's advisor.

6. Specializations:
   Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:
   - Law and Society
   - Litigation and Advocacy
   - Public Law
   - Sports and Entertainment Law
   - Criminal Law and Individual Liberties
   - Estates and Property Law
   - Comparative and International Law
   - Commercial and Transactional Law

   A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student's advisor.

7. Departmental Exit Requirements (120 hrs)
   Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.

8. Electives (variable)
   The following electives must be completed with a minimum grade of "C" (2.0): PLA 4020, PLA 4240, PLA 4910

9. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level.

10. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 36 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

   Total Semester Hours Required: 120 hrs

   Related Programs: Business Administration, Criminal Justice, History, Political Science, Public Administration, Sociology

   Related Minors: Business Administration, Criminal Justice, Political Science, Public Administration, Sociology

   Transfer Note: Courses taken at community colleges do not substitute for Upper Division courses.

   Minor
   The Legal Studies Minor consists of 21 or more semester hours. Required courses: PLA 3013 plus a minimum of 15 semester hours of legal studies courses and three semester hours of law-related courses selected with the aid of an advisor.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

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<td>or ECO 2023</td>
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Sophomore Year

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<td>PLA 3013</td>
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<td>SPC 1608</td>
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<td>EHU 2000 or HUM 2210</td>
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<td>or AMH 2020</td>
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<td>For. Lang. II or B.S. Option</td>
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<tr>
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<td>3</td>
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<tr>
<td></td>
<td></td>
<td>Elective/Minor</td>
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</table>
UCF Degree Programs

Junior Year

Fall 15 hrs Spring 15 hrs
PLA 3104 3 PLA 3155 3
PLA 3011 3 PLA 3610 3
PLA Elective 3 PLA Elective 3
Supporting Elective 3 Supporting Elective 3

Senior Year

Fall 15 hrs Spring 15 hrs
PLA 4700 3 Internship or PLA Elective 3
Internship or PLA Elective 3
Supporting Elective 3 PLA Elective 3
Elective/Minor 3 Elective/Minor 3
Elective/Minor 3 Elective/Minor 3

LIBERAL STUDIES

Note: See Interdisciplinary Studies.

MANAGEMENT (B.S.B.A.)

College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu

Not eligible for a double degree with another College of Business Administration major

1. Admission Requirements
   • Completion of the UCF General Education program, and Gordon Rule, or an AA degree from a Florida Public Community College
   • See Common Program Prerequisites

Degree Requirements

A. Communication Foundations 9 hrs
   Preferred: SPC 1608
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations
   Select MAC 1140 Pre-Calculus 3 hrs
   Select CGS 2100C Computer Fundamentals for Bus 3 hrs
D. Social Foundations
   Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics 3 hrs
   Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
E. Science Foundation 6 hrs

2. Common Program Prerequisites (18-21 hrs)
   Must be completed with a “C” (2.0) or better.
   ACG 2021 Principles of Financial Accounting 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   ECO 2013 Macroeconomics 3 hrs
   ECO 2023 Microeconomics 3 hrs
   *ECO 3401 Quantitative Business Tools I 3 hrs
   CGS 2100C Computer Fundamentals for Business 3 hrs

   *At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Required for All Business Majors (36 hrs)
   Core Classes
   First or subsequent semester in the College of Business Administration:
   GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
   GEB 3375 Introduction to International Business 4 hrs
   BUL 2130 Legal & Ethical Environments of Business 4 hrs
   ECO 3411 Quantitative Business Tools II 4 hrs
   FIN 403C Business Finance 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   ISM 3011C Essentials of Management Information Systems 4 hrs
   MAR 3023 Marketing 4 hrs
   Last Semester:
   MAN 4720 Strategic Management 4 hrs

4. Special college and/or department requirements:
   • Must complete all Gordon Rule requirements, prior to admission to this degree.
   • Students who change degree programs and select this major must adopt the most current catalog.

   Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each Common Program Prerequisites class.
   • Students wanting to major in Management must apply for admission to the major.
   • Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   • Students must earn at least a 2.0 GPA in the major and COB.
   • Students majoring in Management must earn a grade of “C” (2.0) or better in MAN 3025, MAN 4720, and each course applied toward the major.

5. Tracks
   Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

   5A. Human Resource Management Track (24 hrs)
      Required Courses (15 hrs)
      MAN 3301 Human Resource Management 3 hrs
      MAN 4240 Organizational Theory and Behavior 3 hrs
      MAN 4320 Recruitment and Selection 3 hrs
      MAN 4330 Compensation Administration 3 hrs
      MAN 4350 Training and Development 3 hrs
      Elective Courses (9 hrs)
      Choose from MAN courses, BUL 4540, GEB 4111, and GEB 4110:
      MAN Elective 3 hrs
      MAN Elective 3 hrs
      MAN Elective 3 hrs

   5B. General Management Track (24 hrs)
      Required Courses (15 hrs)
      ISM 3530 Quality & Productivity Management 3 hrs
      MAN 4101 Human Relations in Management 3 hrs
      MAN 4240 Organizational Theory & Behavior 3 hrs
      MAN 4600 International Management 3 hrs
      MAN 4701 Business Ethics and Society 3 hrs
      Elective Courses (9 hrs)
      Choose from MAN courses, BUL 4540, GEB 3113, GEB 4111, and GEB 4110:
      MAN Elective 3 hrs
      MAN Elective 3 hrs
      MAN Elective 3 hrs

   5C. Management Track: Entrepreneurship (24 hrs)
      Required Courses (15 hrs)
      MAN 3301 Human Resources Management 3 hrs
      MAN 4802 Entrepreneurship 3 hrs
      GEB 4110 Business Plan Preparation 3 hrs
      GEB 4111 New Venture Finance 3 hrs
      MAR 3641 Market Intelligence or MAR 3391 Professional Selling 3 hrs
      Elective Courses (9 hrs)
      Choose among MAN courses and BUL 4540:
      MAN Elective 3 hrs
      MAN Elective 3 hrs
      MAN Elective/BUL 4540 Employment Law 3 hrs

6. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: none

7. University Minimum Exit Requirements
   • A 2.0 UCF GPA
   • 60 semester hours earned after any CLEP award
   • 48 semester hours of upper division credit completed
   • 30 of the last 36 hours of course work must be completed in residency at UCF
   • A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   • Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

8. Electives*** (variable)
   Total Semester Hours Required 120 hrs
Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ................................. $30 per term
- Part-time Student ............................... $15 per term

FOUR YEAR PLAN OF STUDY - ALL MANAGEMENT MAJORS

Freshman
1st Term 15 hrs 2nd Term 15 hrs
ENC 1101* 3 ENC 1102* 3
Cult-Hist I* 3 Cult-Hist II* 3
SPC 1608 3 Anti/Music/Lit 3
**Elec 3 3 MAC 1105* 3
**Elec 3 3 CGS 2100C* 3
Must complete nine hours in a summer semester

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
ECO 2023* 3 ECO 2013* 3
ACG 2071* 3 ACG 2071* 3
Science 3 Science 3
Psy/Soc/Ant 3 ***Elec 3
**Elec 3 3 ECO 3401* 3
**C (2.0) or better grade required in each class
Student should choose to major in one of the two areas of study below

GENERAL MANAGEMENT TRACK
Junior
1st Term 15 hrs 2nd Term 16 hrs
GEB 3031 4 ISM 3011C 4
BUL 3130 4 MAN 3023 4
ISM 3530 3 ECO 3411 4
MAN 3025 4 FIN 3403C 4
Senior
1st Term 16 hrs 2nd Term 16 hrs
GEB 3375 4 MAN 4720 4
MAN 4240 4 BUL 3130 4
MAN 4701 3 MAN 4101 3
**MAN Elective 3 **MAN Elective 3
**Elec 3 **Elec 3
**Students select three electives from among MAN courses and BUL 4540.
***General electives as required to reach 120 semester hours.

HUMAN RESOURCE MANAGEMENT TRACK
Junior
1st Term 15 hrs 2nd Term 15 hrs
GEB 3031 4 BUL 3130 4
GEB 3375 4 MAN 3301 3
MAR 3023 4 ECO 3411 4
MAN 3025 4 FIN 3403C 4
Senior
1st Term 16 hrs 2nd Term 16 hrs
MAN 4330 3 MAN 4350 3
MAN 4320 3 **MAN Elective 3
ISM 3011C 4 **MAN Elective 3
**MAN Elective 3 ***Elec 3
**Students select three electives from among MAN courses and BUL 4540.
***General electives as required to reach 120 semester hours.

ENTREPRENEURSHIP TRACK
Junior
1st Term 16 hrs 2nd Term 15 hrs
GEB 3031 4 MAN 4802 3
GEB 3375 4 ECO 3411 4
MAN 3023 4 BUL 3130 4
MAN 3025 4 FIN 3403C 4
Senior
1st Term 16 hrs 2nd Term 16 hrs
GEB 4111/FIN 3461 3 MAN 4720 4
MAR 3043/3391 3 GEB 4110 3
MAN 3301 3 **MAN Elective 3
ISM 3011C 4 **MAN Elective 3
**MAN Elective 3 ***Elec 3
**Students select three electives from among MAN courses and BUL 4540.
***General electives as required to reach 120 semester hours.

MANAGEMENT INFORMATION SYSTEMS (B.S.B.A.)
College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu
Not eligible for a double degree with another College of Business Administration major

Admission Requirements
- Completion of the UCF General Education program, and Gordon Rule, or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements
1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
      Preferred: SPC 1608
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations 3 hrs
      Select MAC 1140 Pre-Calculus
   D. Social Foundations 3 hrs
      Select ECO 2013 Microeconomics or ECO 2023 Microeconomics
   E. Science Foundation 6 hrs
      Select one: PSY 2012, SYG 2000, ANT 2000

2. Common Program Prerequisites (18-21 hrs)
   Must be completed with a 2.0 or better.
   ACG 2021 Principles of Financial Accounting 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   ECO 2013 Macroeconomics 3 hrs
   ECO 2023 Microeconomics 3 hrs
   CGS 2100C Computer Fundamentals for Business 3 hrs
   ECO 3401 Quantitative Business Tools I 3 hrs
   After UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Classes (36 hrs)
   First or subsequent semester in the College of Business Administration:
   GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
   GEB 3375 Introduction to International Business 4 hrs

UCF Degree Programs
4. Special college and/or department requirements:

- Students who change degree programs and select this major must adopt the most current catalog.
- Students desiring to major in Management Information Systems must apply for admission to the major and have at least a 2.0 GPA in Common Program Prerequisites.
- Final exams will be given during Exam Week.
- Any student receiving a degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- All courses required for the major (including electives) must be completed with a grade of "C" (2.0) or better in order to graduate.
- All College of Business Administration students are expected to have access to late model computers and the software needed to complete class assignments. This requirement is especially important for MIS majors. Contact a department advisor for the current expectations.
- Students are cautioned to study the course prerequisite structure and the Four Year Plan of Study later in this section when planning their schedules. MIS course prerequisites cannot be waived.
- Lower division courses may not be taken for upper division credit in the major.
- Students must earn at least a 2.0 GPA in the major and COB.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisite class.

5. Required Courses

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<td>ISM 4400</td>
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Plus two of the following: (6 hrs)

- Any 3000 or 4000 level ISM prefix course.

6. Foreign Language Requirements (0-8 hrs)

- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

8. Electives*** (variable)

Total Semester Hours Required 120 hrs

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include:

Financial Accounting, Managerial Accounting, Microeconomics, Macroeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

- Subject to the general grade and 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 higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
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Program Academic Learning Compacts

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  http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student ........................................... $30 per term
- Part-time Student ........................................... $15 per term

FOUR YEAR PLAN OF STUDY - ALL MANAGEMENT INFORMATION SYSTEMS MAJORS

Freshman

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<tr>
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<tr>
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Must complete nine hours in a summer semester

Sophomore

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<tr>
<th>Term</th>
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<th>2nd Term</th>
</tr>
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<tbody>
<tr>
<td>15 hrs</td>
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<tr>
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<td>3</td>
<td>ECO 2013*</td>
</tr>
<tr>
<td>ACG 2071*</td>
<td>3</td>
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<td>Psy/Soc/Ant</td>
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<tr>
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<td><strong>Elective</strong></td>
</tr>
<tr>
<td><strong>Elective</strong></td>
<td>3</td>
<td><strong>Elective</strong></td>
</tr>
<tr>
<td><strong>C&quot; (2.0) or better grade required in each class</strong></td>
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Junior

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<tr>
<td>ISM 3011C</td>
<td>4</td>
<td>ISM 4212C</td>
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<td>ISM 3253</td>
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<td>GEB 3375</td>
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Senior

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<tr>
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<tr>
<td>FIN 3403C</td>
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<tr>
<td>ISM 4401</td>
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<td>MAR 3025</td>
<td>4</td>
<td>BUL 3130</td>
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</tbody>
</table>

**General electives as required to reach 120 semester hours.

MARKETING (B.S.B.A.) – GENERAL PROGRAM

College of Business Administration

BAZ 101, 407-823-2184

http://www.bus.ucf.edu

Not eligible for a double degree with another College of Business Administration major

Admission Requirements

- Completion of the UCF General Education program, and Gordon Rule, or an AA degree from a Florida Public Community College
UCF Degree Programs

- See Common Program Prerequisites

**Degree Requirements**

1. **UCF General Education Program** (36 hrs)
   - **Communication Foundations**
     - MAR 3403: Communication 3 hrs
     - Preferred: SPC 1608
   - **Cultural and Historical Foundations**
     - 5 hrs
   - **Mathematical Foundations**
     - MAC 3405: Calculus 3 hrs
     - Completed Calculus 3 hrs
   - **Social Foundations**
     - Select MAR 4156 or MAR 4724 3 hrs

2. **Core Classes** (18-21 hrs)
   - Must be completed with a “C” (2.0) or better.
     - ACG 2021: Principles of Financial Accounting 3 hrs
     - ACG 2071: Principles of Managerial Accounting 3 hrs
     - ECO 2013: Microeconomics 3 hrs
     - ECO 2023: Macroeconomics 3 hrs
     - *ECO 3401: Quantitative Business Tools I 3 hrs
     - ECO 3411: Quantitative Business Tools II 4 hrs
     - BUS 3375: Business Finance 4 hrs
     - MAN 3025: Management of Organizations 4 hrs
     - ISM 3011C: Essentials of Management 4 hrs
     - MAR 4724: Contemporary Marketing Topics in Florida 3 hrs
     - Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs

3. **Required for All Business Majors** (36 hrs)
   - First or subsequent semester in the College of Business Administration:
     - GEB 3031: Cornerstone (Required in 1st or 2nd semester) 4 hrs
     - MAR 3391: Professional Selling 3 hrs
     - BUS 3130: Legal & Ethical Environments of Business 4 hrs
     - ECO 3411: Quantitative Business Tools II 4 hrs
     - FIN 3403C: Business Finance 4 hrs
     - MAN 3025: Management of Organizations 4 hrs
     - ISM 3011C: Essentials of Management 4 hrs
     - MAR 4724: Contemporary Marketing Topics in Florida 3 hrs
     - MAN 4723: Strategic Management 4 hrs
     - Last Semester:
       - MAN 4723: Strategic Management 4 hrs

4. **Special college and/or department requirements:**
   - Must complete all Gordon Rule requirements, prior to admission to this degree.
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisite 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 3 hrs
   - MAR 3503: Consumer Behavior 3 hrs
   - MAR 3613: Marketing Analysis and Research 3 hrs
   - MAR 3641: Marketing Intelligence 3 hrs
   - MAR 4803: Marketing Management 3 hrs
   - MAR 4804: Marketing Strategy 3 hrs

6. **Restricted Electives - General Marketing** (6 hrs)
   - Minimum of 2 courses required:
     - MAR 3323: Integrated Marketing Communication 3 hrs
     - MAR 3403: Sales Force Management 3 hrs
     - MAR 3721: E-Marketing 3 hrs
     - *MAR 4156: International Marketing 3 hrs

7. **7. Restricted Electives-Sales Track** (9 hrs)
   - Students must take:
     - MAR 3403: Sales Management 3 hrs
     - MAR 4415C: Advanced Professional Selling 3 hrs
     - MAR 4413C: Strategic Issues in Sales 3 hrs

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 residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

10. **Electives*** (variable)

Total Semester Hours Required: 120 hrs

**Transfer Notes**
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisite class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

10. Electives*** (variable)

Total Semester Hours Required: 120 hrs

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- 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

**Transfer Notes**
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- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
FOUR YEAR PLAN OF STUDY – GENERAL MARKETING

Freshman

<table>
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<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1101*</td>
<td>English Composition I</td>
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<td>Cull-Hist F</td>
<td>History</td>
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</tr>
<tr>
<td>SPC 1003</td>
<td>Art/Music/Lit</td>
<td>3</td>
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<td>***Elective</td>
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Must complete nine hours in a summer semester

Sophomore

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<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ECO 2023*</td>
<td>Economics Principles</td>
<td>3</td>
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<tr>
<td>ACG 2021*</td>
<td>Accounting Principles</td>
<td>3</td>
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<tr>
<td>Science</td>
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must complete nine hours in a summer semester

Junior

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<tr>
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<td>GEB 3031</td>
<td>Business Principles</td>
<td>4</td>
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<td>GEB 3375</td>
<td>Business Ethics</td>
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<td>MAR 3023</td>
<td>Business Applications</td>
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Senior

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<tr>
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<td>Business Law</td>
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<td>MAR 3025</td>
<td>Business Internship</td>
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<tr>
<td>ISM 3011C</td>
<td>International Marketing</td>
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Must complete nine hours in a summer semester

General electives as required to reach 120 semester hours.

FOUR YEAR PLAN OF STUDY – MARKETING: SALES TRACK

Freshman

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<th>Course Code</th>
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Must complete nine hours in a summer semester

Sophomore

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<tr>
<td>ACG 2021*</td>
<td>Accounting Principles</td>
<td>3</td>
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must complete nine hours in a summer semester

Junior

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<tr>
<td>GEB 3375</td>
<td>Business Ethics</td>
<td>4</td>
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<tr>
<td>MAR 3023</td>
<td>Business Applications</td>
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Senior

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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
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</tr>
<tr>
<td>ISM 3011C</td>
<td>International Marketing</td>
<td>3</td>
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</tbody>
</table>

Must complete nine hours in a summer semester

General electives as required to reach 120 semester hours.

MATHEMATICS - APPLIED TRACK (B.S.)

College of Sciences

Department of Mathematics, MAP 207, 407-823-6284

http://math.ucf.edu

E-mail: math@mail.ucf.edu

Contact: H. Martin, MAP 215A, 407-823-5700,
E-mail: martin@math.ucf.edu

The Department of Mathematics offers courses identified by a suffix of H for students in the Honors Program; e.g., MAC 2311H, MAC 2312H, and MAP 2302H.

Admission Requirements:

- none

Degree Requirements:

- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAP 2302 must either be taken from, or approved by the Department of Mathematics at UCF.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Math Department.
- Co-op or internship credit cannot be used in this major.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36+2 hrs)

(Note: Certain courses must be selected for this major, bringing GEP hours above 36)

- A. Communication Foundations: 9 hrs
- B. Cultural and Historical Foundations: 9 hrs
- C. Mathematical Foundations: 4 hrs
  1. Select MAC 2311
  2. Select COP 3502C
- D. Social Foundations: 6 hrs
- E. Science Foundations: 4 hrs
  1. Select PHY 2048 & L
  2. Select a listed course

2. Common Program Prerequisites (15 hrs)

- See Transfer Notes for possible substitutes:

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core requirements (48 hrs)

- One course selected from
  - ENC 3241 Writing for Technical Professional
  - ENC 3310 Magazine Writing I
  - ENC 3311 Advanced Expository Writing
  - STA 2023 Statistical Methods I
  - MAP 2302 Differential Equations
  - MAS 3105 Matrix & Linear Algebra
  - MAS 3116 Linear Algebra
  - MAD 4203 Applied Combinatorics
  - MAP 4153 Vector and Tensor Analysis
  - MAP 4307 Appl of Complex Variables
  - MAP 4362 Appl Boundary Value Prob I
  - STA 4321 Statistical Theory I
  - MAP 4384 Appl Boundary Value Prob II
  - COP 3502C Computer Science I
  - STA 4322 Statistical Theory II
  - MAA 4226 Advanced Calculus I
  - PHY 2048&L Physics for Sci & Eng I w/lab
  - PHY 2049&L Physics for Sci & Eng II w/lab
  - STA 4321 Statistical Theory II

Select one course

- MAD 4203 Applied Combinatorics
- MAP 4153 Vector and Tensor Analysis
- MAP 4307 Appl of Complex Variables
- MAP 4362 Appl Boundary Value Prob I
- STA 4321 Statistical Theory I
- MAP 4384 Appl Boundary Value Prob II
- COP 3502C Computer Science I
- STA 4322 Statistical Theory II
- MAA 4226 Advanced Calculus I
- PHY 2048&L Physics for Sci & Eng I w/lab
- PHY 2049&L Physics for Sci & Eng II w/lab

Other than the first 60 credits, students are required to complete a minimum of 30 credits in mathematics courses numbered 3000 or above.
5. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-4 above)
- Participate in an exit interview.
- Computer Competency met by COP 3502C
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. Electives
Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

Related Programs: Applied Math, Computer Science, Engineering, Math Education, Statistics
Related Minors: Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics
Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- COP 3223* may use any programming language course with a COP prefix
- PHY 2048* & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/aic/academic_learning_compacts.htm

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer
Take Math Placement Test – http://mathplacement.sdes.ucf.edu/
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.
- Complete the Computer Competency met by COP 3502C.
- Before applying to graduate, the CLAST must be completed.

7. Foreign Language Requirements
Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Graduation: none

8. Electives (variable)
Students desiring to complete a double major in both Computer Science and Applied Mathematics must also complete all the requirements of the School of Computer Science. To minimize the total hours taken for both majors, students should select an advanced computer science course for the unrestricted elective.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Applied Mathematics, Computer Science, Engineering, Math Education, Statistics

Related Minors: Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics

Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- COP 3223*: may use any programming language course with a COP prefix.
- PHY 2048 & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

MATHEMATICS -

ENGINEERING/PHYSICS TRACK (B.S.)

College of Sciences
Department of Mathematics, MAP 207, 407-823-6284
http://math.ucf.edu

E-mail: math@mail.ucf.edu
Contact: H. Martin, MAP 215A, 407-823-5700,
E-mail: martin@math.ucf.edu

The Department of Mathematics offers courses identified by a suffix of H for students in the Honors Program; e.g., MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

Admission Requirements

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313 and MAP 2302 must either be taken from, or approved by, the Department of Mathematics at UCF.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.

Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36+2 hrs)
(Note: Certain courses must be selected for this major, bringing GEP hours above 36)
A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations
  1. Select MAC 2311 4 hrs
  2. Select COP 3502C 3 hrs
D. Social Foundations 6 hrs
E. Science Foundations
  1. Select PHY 2048 & L 4 hrs
  2. Select a listed course 3 hrs

2. Common Program Prerequisites (15 hrs)

- COP 3502 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
- PHY 2048&L Physics for Sci & Eng I w/lab 4 hrs
- PHY 2049&L Physics for Sci & Eng II w/lab 4 hrs

*See Transfer Notes for possible substitutes

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Basic Core Requirements (6 hrs)

- COP 3502C Computer Science I 6 hrs
- PHY 2048&L Physics for Sci & Eng I w/lab 6 hrs
- PHY 2049&L Physics for Sci & Eng II w/lab 6 hrs
- MAP 2302 Differential Equations 3 hrs

4. Advanced Core Requirements (53 hrs)

- Select one course
- COP 3502 Logic and Proof in Mathematics 3 hrs
- COP 3100 Intro to Discrete Structures 3 hrs
Select one course
MAP 4103 Mathematical Modeling I 3 hrs
EML 3034C Modeling Meth in Mech. & Aero Eng 3 hrs
PHZ 3115 Computer Methods in Physics 3 hrs
MAP 4153 Vector and Tensor Analysis 3 hrs
MAP 4307 Appl of Complex Variables 3 hrs
MAP 4363 Appl Boundary Value Prob I 3 hrs
MAP 4364 Appl Boundary Value Prob II 3 hrs
MAM 4226 Advanced Calculus I 4 hrs
EGN 3321 Engineering Analysis - Dynamics 3 hrs
Select one course
EGN 3420 Engineering Analysis 3 hrs
COT 4500 Numerical Calculus 3 hrs
Select one course
MAS 3105 Linear Algebra 3 hrs
MAD 4203 Applied Combinatorics 3 hrs
Select one course
EGN 3310 Engineering Analysis - Statics 3 hrs
PHY 3220 Mechanics I 3 hrs
Select one course
EGN 3373 Principles of Electrical Engineering 3 hrs
PHY 3101 Physics for Eng & Sci III 3 hrs
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 3 hrs
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 3 hrs
PHY 3101 Physics for Eng & Sci III 3 hrs
(PHY 3101 may be selected only if EGN3373 is also taken)
ESI 4626C Industrial Eng Applications of Computers 3 hrs
PHZ 3113 Intro to Theoretical Methods of Physics 3 hrs
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 3 hrs
or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above
Select one course
CES 4100C Structural Analysis I 3 hrs
EGN 3331 Mechanics of Materials 3 hrs
Ein 3000 Intro. to Indust. Eng. & Mngmt Sys 3 hrs
EAS 3100 Fundamentals of Aerodynamics 3 hrs
EGM 3601 Solid Mechanics 3 hrs
EEL 3004 Electrical Networks 3 hrs
or any MAA, MAD, MAP, or MAS course at 3000 level or above
Select one course
STA 4321 Statistical Theory I 3 hrs
STA 4322 Statistical Theory II 3 hrs
PHY 3323 Electricity & Magnetism I 3 hrs
PHY 4324 Electricity & Magnetism II 3 hrs
EGN 3363 Structure & Property of Materials 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
EEE 3342C Intro. to Digital Circuits and Systems 3 hrs
EEL 3801 Intro. to Computer Engineering 3 hrs
EEL 3637 Linear Control Systems 3 hrs
EML 4142 Heat Transfer 3 hrs
EML 4132C Feedback Control 3 hrs
EML 3262 Kinematics of Mechanisms 3 hrs
EAS 4200 Flight Structures 3 hrs
EAS 4400 Spacecraft Attitude Dynamics 3 hrs
EGN 4505 Orbital Mechanics 3 hrs
EAS 4105 Flight Mechanics 3 hrs
EML 4703 Fluid Mechanics II 3 hrs
EMA 4223 Fund. of Mechanical Behavior of Materials 3 hrs
CWR 4203C Hydraulics 3 hrs
CWR 4101C Hydrology 3 hrs
ENV 4564 Environmental Eng - Process Design 3 hrs
ESI 4234 Quality Engineering 3 hrs
ESI 4523C Systems Simulation 3 hrs
Ein 4333C Industrial Control Systems 3 hrs
EEL 3470 Electromagnetic Fields 3 hrs
EEL 3352C Analog & Digital Communication Fund. 3 hrs
EEL 4750 Digital Signal Processing Fund. 3 hrs

5. Restricted Electives (6 hrs)
Select two courses
EEL 4767 Computer System Design I 4 hrs
EEL 4832 Eng. Applications of Computer Models 3 hrs
EEL 4851C Engineering Data Structures 4 hrs
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.
- Complete in a timely manner.
- Computer Competency met by EGN 3420 or COP 3502C.
- Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements
Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Graduation: none

8. Electives (variable)
Students desiring a double major in Engineering or Physics and Mathematics must also complete all requirements of both majors. Students should select electives which satisfy both majors simultaneously when possible.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLAST and EGN3373
- 45 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Applied Mathematics, Computer Science, Engineering, Math Education, Statistics
Related Minors: Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics
Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- COP 3223*: may use any programming language course with a COP prefix.
- PHY 2048* & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/aac/academic_learning_compacts.htm

MATHEMATICS -
MATH ECONOMICS TRACK (B.S.)
College of Sciences
Department of Mathematics, MAP 207, 407-823-6284
E-mail: math@mail.ucf.edu
Contact: H. Martin, MAP 215A, 407-823-5700,
E-mail: martin@math.ucf.edu

The Mathematics - Mathematical Economics track is designed for students who wish to earn a B.S. degree in Mathematics with an emphasis in Economics. This interdisciplinary program is carefully structured so that a student has an opportunity to develop mathematical skills that can be applied to problems in economic theory and quantitative analysis. These critical thinking and analytical skills will be useful as preparation for graduate study and careers in a variety of fields.
UCF Degree Programs

Admission Requirements
none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and 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 and Economics Departments.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students should consult with the major advisors for the Department of Mathematics and Economics.

1. UCF General Education Program (36+2 hrs)
   A. Communication Foundations
      Preferred: SPC 1608
   B. Cultural and Historical Foundations
      Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics
   C. Mathematical Foundations
      Preferred: SPC 1608
   D. Social Foundations
      Select one: PSY 2012, SYG 2000
   E. Science Foundations
      PHY 2048 & L, CHM 2045C or BSC 2010C
      Select a listed course from the Science group not completed

2. Common Program Prerequisites (15 hrs)
   COP 3223* Intro to Programming with C
   MAC 2311 Calculus with Analytic Geo I
   MAC 2312 Calculus with Analytic Geo II
   MAC 2313 Calculus with Analytic Geo III
   Complete one of the following sequences:
      GEP. 4 hrs
      PHY 2048L & PHY 2049L Physics for Eng & Sci I & II, or CHM 2045C** & CHM 2046 & L Chemistry Fundamentals I & II, or BSC 2010C & BSC 2011C Biology I & II
      *See Transfer Notes for possible substitutes
      **CHM 2040C plus CHM 2041C can substitute for CHM 2045C
      See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Basic Core Requirements (25 hrs)
   ECO 2013 Principles of Macroeconomics
   ECO 2023 Principles of Microeconomics
   MTH 3312 Logic and Proof in Mathematics
   MAP 2302 Differential Equations
   MAS 3105 Matrix and Linear Algebra
   STA 4321 Statistical Theory I
   ECO 3101 Intermediate Microeconomics
   ECO 3203 Intermediate Macroeconomics
   ECO 4451 Research Methods in Economics
   STA 2023 Statistical Methods I
   ECO 2013 Principles of Macroeconomics
   ECO 2023 Principles of Microeconomics

4. Advanced Core Requirements (17 hrs)
   MAA 4226 Advanced Calculus I
   MAA 3106 Linear Algebra
   MAP 4103 Mathematical Modeling I
   ECO 3410 Mathematical Economics
   ECO 4412 Econometrics

5. Restricted Electives (18 hrs)
   Select 3 courses from each of the following two areas:
   Area 1 (3 courses)
      COT 4510 Numerical Calculus
      MAD 4203 Applied Combinatorics
      MAP 4363 Applied Boundary Value Problems I
      MAP 4317 Probability, Random Proc & App. I
      MAP 4307 Applications of Complex Variables
   Area 2 (3 courses)
      ECO 3703 International Trade
      ECO 4704 International Macroeconomics
      ECO 4504 Public Economics
      ECP 4403 Industrial Organization & Game Theory
      ECP 4302 Environ. & Natural Res. Economics
      STA 4322 Statistical Theory II

6. Exit Requirements
   - Students must earn a grade of "C" (2.0) or better in each course applied towards the major as well as a 2.0 overall average.
   - Computer Competency met by ECO 4451 or COP 3223.

7. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation:
   none

8. Electives (variable)
Select primarily from upper level courses, with departmental advisor's approval.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Applied Mathematics, Statistics
Related Minors: Statistics, Computer Science

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- COP 3223*: may use any programming language course with a COP prefix.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ojas.ucf.edu/alc/academic_learning_compacts.htm

Freshman
1st Term 16 hrs 2nd Term 16 hrs
- ENC 1101 Composition 1
- Cult-Hist I
- MAC 2311 Calculus I
- STA 2023 Stats Methods 1
- STA 2023 Stats Methods I
- Art/Music/Lit

Sophomore
1st Term 15 hrs 2nd Term 16 hrs
- ECO 2013 Microeconomics
- PHY 2048 & 2049L Physics
- MAC 2313 Calculus III
- MAS 3105 Matrix and Lin Algebra
- MAC 3101 Intermed Micro
- MAP 2302 Diff Equations

Junior
1st Term 15 hrs 2nd Term 15 hrs
- ECO 3203 Intermediate Macroeconomics
- PSY 2012
- STA 4321 Stat Theory I
- Area 1 or 2 Elective
- Area 1 or 2 Elective
- Area 1 or 2 Elective
- Area 1 or 2 Elective
- Area 1 or 2 Elective
- Area 1 or 2 Elective
- Area 1 or 2 Elective
- Area 1 or 2 Elective
- Area 1 or 2 Elective

Senior
1st Term 15 hrs 2nd Term 15 hrs
- ECO 4412 Econometrics
- MAA 4226 Adv Calc 1
- Area 1 or 2 Elective
- Area 1 or 2 Elective
- Area 1 or 2 Elective
- Area 1 or 2 Elective
- Area 1 or 2 Elective
- Area 1 or 2 Elective
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- Area 1 or 2 Elective
- Area 1 or 2 Elective
- Area 1 or 2 Elective
- Area 1 or 2 Elective

*GEP
**General electives as required to reach 120 semester hours.
MATHEMATICS - PURE TRACK (B.S.)

College of Sciences
Department of Mathematics, MAP 207, 407-823-6284
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Contact: H. Martin, MAP 215A, 407-823-5700,
E-mail: martin@math.ucf.edu

The Department of Mathematics offers courses identified by a suffix of H for students in the Honors Program; e.g., MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

Admission Requirements
none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAP 2302 must either be taken from, or approved by the Department of Mathematics at UCF.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36+2 hrs)
   (Note: Certain courses must be selected for this major, bringing GEP hours above 36)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations
      1. Select MAC 2311 4 hrs
      2. Select COP 3502C 3 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations
      1. Select PHY 2048 & L 4 hrs
      2. Select a listed course 3 hrs

2. Common Program Prerequisites (15 hrs)
   COP 3223*: Intro to Programming with C 3 hrs
   MAC 2311 Calculus with Analytic Geo I GEP
   MAC 2312 Calculus with Analytic Geo II 4 hrs
   MAC 2313 Calculus with Analytic Geo III 4 hrs
   PHY 2048* Physics for Sci & Eng I w/lab 4 hrs
   PHY 2049* Physics for Sci & Eng II w/lab 4 hrs
*See Transfer Notes for possible substitutes
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core requirements (48 hrs)
   PHY 2048L Physics for Sci & Eng I w/lab GEP
   PHY 2049L Physics for Sci & Eng II w/lab CPP
   One course selected from
   ENC 3241 Writing for the Tech Professional 3 hrs
   ENC 3310 Magazine Writing 3 hrs
   ENC 3311 Advanced Expository Writing 3 hrs
   STA 2023 Statistical Methods 3 hrs
   MTH 3302 Logic and Proof in Mathematics 3 hrs
   MAP 2302 Differential Equations 3 hrs
   MAS 3105 Matrix & Linear Algebra 4 hrs
   MAS 3106 Linear Algebra 4 hrs
   MAP 4303 Applied Boundary Value Prob I 3 hrs
   STA 4321 Statistical Theory I 3 hrs
   MAS 4301 Abstract Algebra I 3 hrs
   STA 4322 Statistical Theory II 3 hrs
   COP 3502C Computer Science I GEP
   MAA 4226 Advanced Calculus I 4 hrs
   MAA 4227 Advanced Calculus II 3 hrs
   MAD 4203 Applied Combinatorics 3 hrs
   MTG 4302 Introduction to Topology 3 hrs
   MAP 4307 Appl of Complex Variables 3 hrs

4. Restricted Electives (3 hrs)
   Biological or physical sciences electives 3 hrs

Note: Students must satisfy course prerequisites before enrolling
Select from PCB 3044, PCB 3063, PCB 4302C, PCB 4303C, CHM 2210, CHM 2046, PHY 3101, PHY 3323, PHY 4424

5. Departmental Exit Requirements
   - Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-4 above)
   - Participate in an exit interview.
   - Computer Competency met by COP 3502C
   - Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements
   Admission: Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation: none

7. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Statistics, Applied Math, Computer Science, Engineering, Math Education
Related Minors: Computer Science, Engineering, Math, Physics, Statistics
Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- COP 3223*: may use any programming course with a COP prefix.
- PHY 2048* & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer
- Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year

Fall
- ANT 2000* req# 1D2-GEP
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geo I 4 hrs
- STA 2023 Stat Methods I 3 hrs

Spring
- COP 3223* Intro to Programming with C 3 hrs
- ENC 1102 Composition II 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3105 Matrix & Linear Algebra 4 hrs

Sophomore Year

Fall
- PHY 2048* Phys for Eng Sci I 3 hrs
- PHY 2049L Phys L Eng Sci I 3 hrs
- MAC 2313 Calculus with Analytic Geo II 3 hrs
- MAS 3106 Linear Algebra 4 hrs

Spring
- PHY 2049* Physics for Sci & Eng II 4 hrs
- MTG 4302 Introduction to Topology 3 hrs
- MAP 4307 Appl of Complex Variables 3 hrs

Total Semester Hours Required 120 hrs

Related Programs: Statistics, Applied Math, Computer Science, Engineering, Math Education
Related Minors: Computer Science, Engineering, Math, Physics, Statistics
Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- COP 3223*: may use any programming course with a COP prefix.
- PHY 2048* & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer
- Take Math Placement Test – http://mathplacement.sdes.ucf.edu/
UCF Degree Programs

College of Education

Department of Teaching and Learning Principles, ED 209

http://education.ucf.edu/mathed

Program Coordinators: Dr. Janet Andreasen, ED 123Q, 407-823-5430, E-mail: jandreas@email.ucf.edu;
Dr. Erhan Haciomeroglu, ED 115L, 407-823-4336, E-mail: erhans@math.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 overall GPA
■ Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted)
■ Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
■ Meet the Gordon Rule Requirement.
■ Meet the foreign language admission requirement.

Degree Requirements

■ Students should see an advisor prior to registering for classes
■ The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
■ This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (36+1 hrs)

A. Communication Foundation
   ■ 1. ENC 1101 English Composition I 3 hrs
   ■ 2. ENC 1102 English Composition II 3 hrs

B. Cultural-Historical Foundation
   ■ 1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs
   ■ 2. Prefer: PHI 2010 Introduction to Philosophy 3 hrs
   ■ 3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs

C. Mathematical Foundation
   ■ 1. Select MAC 2311 Calculus with Analytic Geometry I 4 hrs
   ■ 2. Select: STA 2023 Statistical Methods I 3 hrs

D. Social Foundation
   ■ 1. Prefer: PSC 2041 American National Government 3 hrs
   ■ 2. Prefer: PSY 2012 General Psychology 3 hrs

E. Scientific Foundation
   ■ 1. Prefer: PSC 1211 Physical Science 3 hrs
   ■ 2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)
   ■ EDF 2005 Introduction to the Teaching Profession 3 hrs
   ■ EDF 2085 Introduction to Diversity for Educators 3 hrs
   ■ EME 2040 Introduction to Technology for Educators 3 hrs

Note: In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Other Program Requirements (14 hrs)
   ■ EDF 2130* Child & Adolescent Development for Educators 3 hrs
   ■ MAC 2311 Calculus with Analytic Geometry I GEP 3 hrs
   ■ STA 2023 Statistical Methods I GEP 3 hrs
   ■ MAC 2312 Calculus with Analytic Geometry II GEP 4 hrs
   ■ MAC 2313 Calculus with Analytic Geometry III GEP 4 hrs
   ■ MAP 2302 Differential Equations 3 hrs

Note: Students should consult advisor regarding course options.

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)
   ■ EDG 4410 Teaching Strategies and Classroom Mgmt 3 hrs
   ■ EDF 4467 Learning Theory and Assessment 3 hrs
   ■ EDF 4503 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs
   ■ TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
   ■ EEX 4242 Teaching Exceptional Students in Sec Settings 3 hrs
   ■ RED 4043 Reading Kindergarten thru Grade 12 3 hrs
   ■ Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required mathematics courses including MAC 2314 with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   ■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
   ■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, EDF 4503 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
   ■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexps/.

5. Internship I Block (7 hrs)
   ■ MAE 3940 Internship I 3 hrs
   ■ MAE 4360 Mathematics Instructional Analysis 4 hrs

6. Specialization Requirements (23 hrs)
   A. A grade of "C-" (1.75) or better is required.
   ■ MAS 3165 Elementary Linear and Matrix Algebra 4 hrs
   ■ MAS 3203 Introduction to Number Theory 3 hrs
   ■ MGF 3302 Logic and Proof in Mathematics 3 hrs
   ■ MGF 4404 History of Mathematics 3 hrs
   ■ MTG 4212 Modern Geometry 4 hrs
   ■ STA 4163 Statistical Methods II 3 hrs
   ■ MAE 4634 Programs in Teaching Mathematics 3 hrs

7. Internship II (12 hrs)
   ■ MAE 4941 Internship II 12 hrs
   ■ At least 80% of all required mathematics courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
   ■ Passing scores on the Subject Area Examination (Mathematics 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.
   ■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexps/.
   ■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

8. Foreign Language Requirements (0-8 hrs)
   ■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

9. Departmental Exit Requirements
   ■ Achieve a minimum 2.5 GPA in all courses within the major.
   ■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
Pass all applicable sections of the Florida Teacher Certification Examination.

10. University Minimum Exit Requirements
A. 2.0 UCF GPA
B. 60 semester hours earned after CLEP awarded
C. 48 semester hours of upper division credit completed
D. 30 of the last 36 hours of course work must be completed in residence at UCF
E. 25% of course work must be completed in residence at UCF
F. Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required 120 hrs
Consult with your Education advisor and review your degree audit for more recent information.

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

12. Recommended Four-Year Sequence of Courses

Freshman Year
Fall 13 hrs
EDF 2085 Intro to Diversity for Ed 3
ENC 1101 English Composition I 3
MAC 2311 Calculus with Analytic Geo I 4
PSC 1121 Physical Science 3
ANT 2511 The Human Species or 3
Summer 10 hrs
EDF 2005 Intro to the Teaching Prof 3
MAC 2313 Calculus with Analytic Geo III 4
PHI 2010 Intro to Philosophy 3
Sophomore Year
Fall 15 hrs
MAP 2302 Differential Equations 4
MHF 3302 Logic & Proof in Math 3
PSY 2012 General Psychology 3
POS 2041 American National Gov 3
STA 2023 Statistical Methods I 3
*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year
Fall 13 hrs
EDF 4467 Learn Theory & Assmt 3
EDG 4410 Teach Strat & Class Mgmt 3
EXS 4242 Teach Ex Stud in Sec Setting 3
MTG 4212 Modern Geometry 4
Spring 12 hrs
RED 4043 Content Read K-12 3
MAE 4634 Prog in Teach Math 3
STA 4163 Statistical Methods II 3
TSL 4090 Theory & Prac of Teach 3
ESOL Students in Schools

Senior Year
Fall 13 hrs
MAE 3940 Internship I 3
EDF 4603 Anal & Angel of Eth, Legal, & Safe Issues in Sch 3
MHF 4404 History of Math 3
MAE 4360 Math Instruct Analysis 4
Spring 12 hrs
MAE 4941 Internship II 12
*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

MECHANICAL ENGINEERING (B.S.M.E.)
College of Engineering and Computer Science
Mechanical, Materials & Aerospace Engineering Department,
ENGR 307, 407-823-2416; Fax: 407-823-0208
http://www.mmae.ucf.edu
Associate Chair: Dr. Kuo-Chi Lin, E-mail: klin@mail.ucf.edu;
Undergraduate Advisor: Waheeda Illasarie,
E-mail: willaser@mail.ucf.edu

Admission Requirements: none

1. UCF General Education Program for Engineering Students
The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in the Catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A. Communication Foundations
   1. ENC 1101 & ENC 1102
   2. Prefer SPC 1603

B. Cultural and Historical Foundations
   1. Select two courses from Historical Foundations
   2. ARH 2050, ARH 2051, MUL 2100, THE 2000, FIL 1000, REL 2300
   3. PHI 2010, LIT 2110, or LIT 2120

C. Mathematical Foundations
   1. Select MAC 2311 (PR. MAC 1114)
   2. Select STA 3022 (PR. MAC 2322)

D. Social Foundations
   1. Prefer ECO 2013 or ECO 2235
   2. ANT 2000, PYS 2012, or SYG 2000

E. Science Foundations
   7 hrs
   1. Select PHY 2048/48L (PR. MAC 2311)
   2. ANT 2511, BSC 1050, BSC 1055, GLY 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP’s) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2. marked with an asterisk (*).
Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

A. Science Foundations
   1. MAC 2311* Calculus with Analytic Geometry I 4 hrs
   2. MAC 2312* Calculus with Analytic Geometry II 4 hrs
   3. MAC 2313* Calculus with Analytic Geometry III 4 hrs
   4. MAP 2302* Differential Equations 3 hrs
   5. PHY 2048/48L* Physics for Engineers & Scientists I 4 hrs
   6. PHY 2049/49L* Physics for Engineers & Scientists II 4 hrs
   7. ENC 1101 Composition I 1 hr
   8. ENC 1102 Composition II 1 hr
   9. Humanities Courses 3 hrs
   10. Social Science Courses 3 hrs
   11. Humanities or Social Sciences 3 hrs
See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Courses Required for the Major (65 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the senior design courses listed in 5. below.

A. EGN 1006C Intro to the Engineering Profession 1 hr
B. EGN 1007C Engineering Concepts & Methods 1 hr
C. EGN 3311 Engineering Analysis - Statics 3 hrs
D. EGN 3321 Engineering Analysis - Dynamics 3 hrs
E. EGN 3343 Thermodynamics 3 hrs
F. EGN 3365 Structure & Properties of Materials 3 hrs
G. EGN 3373 Principles of Electrical Engineering 3 hrs
H. STA 3032 Probability & Statistics for Engineers 3 hrs
I. EML 3034C Modeling Methods in MAAE 3 hrs
J. EML 3903C Mechanical Engineering Measurements 3 hrs
K. EML 4312C Feedback Control 3 hrs
L. EML 3500 Machine Design & Analysis 3 hrs
M. EGM 3601 Solid Mechanics 3 hrs
N. EML 3701 Fluid Mechanics I 3 hrs
O. EML 4142 Heat Transfer 3 hrs
P. EML 4220 Vibration Analysis 3 hrs
Q. EML 4535C Introduction to CAD/CAM 3 hrs

4. Career and Academic advisement
The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

A. Energy Systems Option
B. EML 3101 Thermodynamics of Mechanical Sys 3 hrs
C. EML 3404C Thermo-Fluids Measurements 2 hrs
D. EML 4703 Fluid Mechanics II 3 hrs
E. EML 4145 Topics in Heat Transfer 2 hrs
F. EML 4221C Experimental Techniques in Mechanical Sys 2 hrs
G. Approved Electives 9 hrs

UCF Degree Programs
### UCF Degree Programs

#### b. Mechanical Systems Option

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EML 4304C</td>
<td>Thermo-fluids Measurements</td>
<td>2</td>
</tr>
<tr>
<td>EML 3262</td>
<td>Kinematics of Mechanisms</td>
<td>3</td>
</tr>
<tr>
<td>EGM 3601L</td>
<td>Solid Mechanics Lab</td>
<td>2</td>
</tr>
<tr>
<td>EML 4221C</td>
<td>Experimental Techniques in Mechanical Sys</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Approved Electives</td>
<td>12</td>
</tr>
</tbody>
</table>

#### c. Materials Option

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMA 3012C</td>
<td>Experimental Techniques in Mechanics &amp; Materials</td>
<td>3</td>
</tr>
<tr>
<td>EMA 4102</td>
<td>Thermodynamics and Kinetics of Materials</td>
<td>3</td>
</tr>
<tr>
<td>EMA 3124</td>
<td>Design and Selection of Materials</td>
<td>3</td>
</tr>
<tr>
<td>EMA 4223</td>
<td>Fundamentals of Mech. Behavior of Materials</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Approved Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

#### 5. Departmental Graduation Requirements (6 hrs)

These courses are a capstone experience to your engineering program and should be completed in your last two major semesters of study.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>EGN 4412C Engineering Design I</td>
<td></td>
</tr>
<tr>
<td>EML 4502C</td>
<td>Engineering Design I</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>EGN 4413C Interdisciplinary Design II</td>
<td></td>
</tr>
</tbody>
</table>

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

#### 6. Foreign Language Requirements (0-8 hrs)

**Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:**

- none

#### 7. Approved Restricted and Technical Electives

Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

#### 8. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

**Total Semester Hours Required:** 128 hrs

**Related Programs:** Aerospace Engineering.

**Related Minors:** Space Studies, Intelligent Robotic Systems, Engineering Leadership.

### Transfer Notes:

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with their petition for this evaluation.
- EGN 1007C and EGN 1007Y are required courses for incoming freshmen only. The two credit hours for these courses may be substituted by an approved Mechanical Engineering technical elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Mathlab.

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fee

- Full-time Student: $90 per term
- Part-time Student: $45 per term

#### Tentative Course Schedule for Entering Freshmen

The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

#### Mechanical Engineering - 128 semester hours required

### FIRST YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C Intro to Eng Prof</td>
<td>EGN 1007C Eng Conc &amp; Meth</td>
</tr>
<tr>
<td>*ENC 1110 English Comp I</td>
<td>*ENC 1110 English Comp II</td>
</tr>
<tr>
<td>*CHS 1440 Chem Eng</td>
<td>*MAC 2312 Calc II</td>
</tr>
<tr>
<td>or CHM 2045C w/lab</td>
<td>or PHY 2048 Phys Eng I w/lab</td>
</tr>
<tr>
<td>*MAC 2311 Calc I</td>
<td>*MAC 2311 Calc I</td>
</tr>
<tr>
<td>*EOC 2013 or 2023 Macro or Micro</td>
<td>*PHY 2048 Phys Eng I w/lab</td>
</tr>
</tbody>
</table>

**Summer**

- 10 hrs
  - *MAC 2313 Calc III
  - *Social Foundations
  - *HIST Foundations

### SECOND YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>STA 3032 Prob &amp; Stats/Engrs</td>
<td>STA 3032 Engr Anal-Dynamics</td>
</tr>
<tr>
<td>*MAP 2302 Diff Equations</td>
<td>*MAP 2302 Diff Equations</td>
</tr>
<tr>
<td>EGN 3313 Engr Anal-Statics</td>
<td>EGN 3313 Engr Anal-Statics</td>
</tr>
<tr>
<td>*PHY 2049 Phys Eng II w/lab</td>
<td>*PHY 2049 Phys Eng II w/lab</td>
</tr>
<tr>
<td>EGN 3365 Strpr &amp; Prop Mats</td>
<td>EGN 3365 Strpr &amp; Prop Mats</td>
</tr>
<tr>
<td>*Cultural Foundations</td>
<td>*Cultural Foundations</td>
</tr>
<tr>
<td>*HIST Foundations</td>
<td>*HIST Foundations</td>
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</tbody>
</table>

### THIRD YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3500 Machine Design</td>
<td>EML 4220 Vibration Analysis</td>
</tr>
<tr>
<td>EML 3701 Fluid Mechanics</td>
<td>EML 3701 Fluid Mechanics</td>
</tr>
<tr>
<td>EML 3034C Modelng Methods</td>
<td>EML 3034C Modelng Methods</td>
</tr>
<tr>
<td>EML 3303C Mech Engr Meas</td>
<td>EML 4535C CAD/CAM</td>
</tr>
<tr>
<td>EML 3990 Career/Acad Advise I</td>
<td>EML 3990 Career/Acad Advise I</td>
</tr>
<tr>
<td>*Science Foundations 2</td>
<td>*Science Foundations 2</td>
</tr>
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</table>

### FOURTH YEAR

#### I. ENERGY SYSTEMS OPTION

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3101 Thermo Mech Sys</td>
<td>EML 4502C Eng Design II</td>
</tr>
<tr>
<td>EML 4703 Fluid Mechanics</td>
<td>EML 4502C Eng Design II</td>
</tr>
<tr>
<td>EML 4501C Eng Design I</td>
<td>EML 4501C Eng Design I</td>
</tr>
<tr>
<td>or EGN 4412C Inter Design I</td>
<td>or EGN 4412C Inter Design I</td>
</tr>
<tr>
<td>EML 4312C Feedback Control</td>
<td>EML 4312C Feedback Control</td>
</tr>
<tr>
<td>EML 4221C Exp. Tech in Mech Sys</td>
<td>EML 4221C Exp. Tech in Mech Sys</td>
</tr>
<tr>
<td>EMM 4991 Career/Acad Advise II</td>
<td>EMM 4991 Career/Acad Advise II</td>
</tr>
<tr>
<td>*Historical Foundations</td>
<td>*Historical Foundations</td>
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### II. MECHANICAL SYSTEMS OPTION

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>EML 3262 Kinem Mechnsms</td>
<td>EML 4502C Eng Design II</td>
</tr>
<tr>
<td>EML 4501C Eng Design I</td>
<td>EML 4501C Eng Design I</td>
</tr>
<tr>
<td>or EGN 4413C Inter Design II</td>
<td>or EGN 4413C Inter Design II</td>
</tr>
<tr>
<td>EML 4312C Feedback Control</td>
<td>EML 4312C Feedback Control</td>
</tr>
<tr>
<td>EML 4221C Exp. Tech in Mech Sys</td>
<td>EML 4221C Exp. Tech in Mech Sys</td>
</tr>
<tr>
<td>EMM 4991 Career/Acad Advise II</td>
<td>EMM 4991 Career/Acad Advise II</td>
</tr>
<tr>
<td>*Social Foundations</td>
<td>*Social Foundations</td>
</tr>
</tbody>
</table>

### III. MATERIALS OPTION

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4102 Thermo &amp; Kinetics of Mtrls</td>
<td>EML 4502C Eng Design II</td>
</tr>
<tr>
<td>EML 4501C Eng Design I</td>
<td>EML 4501C Eng Design I</td>
</tr>
<tr>
<td>or EGN 4412C Inter Design I</td>
<td>or EGN 4412C Inter Design I</td>
</tr>
<tr>
<td>EML 3214 Design &amp; Select of Mtrls</td>
<td>EML 3214 Design &amp; Select of Mtrls</td>
</tr>
<tr>
<td>EML 4312C Feedback Control</td>
<td>EML 4312C Feedback Control</td>
</tr>
<tr>
<td>Approved Elective</td>
<td>Approved Elective</td>
</tr>
<tr>
<td>EMM 4991 Career/Acad Advise II</td>
<td>EMM 4991 Career/Acad Advise II</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 the Catalog for further information.
2. Students should consult 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.
3. Students should check with the MMAE Associate Chairman each semester to ensure they are making satisfactory progress toward their degree.

The State University System requires students to complete a minimum of nine semester hours during summer terms prior to graduation. See the section on Summer Attendance Requirement elsewhere in the Catalog.
Important Notice:
- Certain courses required for this major serve as key prerequisites or are offered in specific terms. Any deviation from the four-year plan should be discussed with an academic advisor. Failure to take the courses as listed may result in a delay in the date of your graduation.
- Caution must be taken to ensure that you take courses in a proper sequence regarding prerequisites.
- If you are not ready to begin the Calculus sequence upon entry to the Mechanical Engineering curriculum it is imperative that you meet with your advisor to plan a personalized program of study. Mathematics and physics are cornerstones of a quality engineering program and it is important for your academic career that you proceed accordingly.

Accelerated BS/MS Degree Program
The Mechanical, Materials, and Aerospace Engineering Department offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of the Catalog for more information.

MEDICAL LABORATORY SCIENCES (B.S.)
College of Medicine
Bennett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu
Chair: P. E. Kolattukudy
Program Director: Dorilyn Hitchcock, E-mail: hitchcod@mail.ucf.edu

Admission Requirements
Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled. The application for the program can be found at http://www.biomed.ucf.edu.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0).

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDL background check and Florida Department of Health Board of Clinical Lab Personnel trainees license are required.

1. UCF General Education Program (36 + 2 hrs)
- A. Communication Foundations
  - Select MAC 1105
  - Select STA 2023
- B. Cultural Historical Foundations
  - Select 2 (6 hrs)
- C. Mathematical Foundations
  - Select 1 (6 hrs)

2. Common Program Prerequisites (25 hrs)
- BSC 2010C General Biology and lab
- CHM 2045C, 2046 Chemistry Fundamentals I&II w/labs
- STA 2023 Statistical Methods I
- ZOO 3733C Human Anatomy and Lab*
- CHM 2210, 2211 Organic Chemistry I&II w/labs
- MCB 3020C General Microbiology*
- PCB 3703C Human Physiology and Lab*

*See Transfer Notes
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (63 hrs)
- MLS 3220C Clinical Microscopy with lab
- MLS 4625 Advanced Clinical Chemistry I / lab
- MLS 4630 Advanced Clinical Chemistry II
- PCB 3233 Immunology with Lab
- MLS 4430C Clinical Parasitology
- MLS 3305 Hematology with Lab
- MLS 4505C Immunodiagnostics
- MLS 4910 Intro to Clinical Research
- MLS 4550 Clinical Immunohematology
- MLS 4460C Clinical Pathogenic Microbiology
- MLS 4334 Hemostasis
- MLS 4533 Medical Technology Seminar
- MLS 3705 Concepts in Education/Management
- MLS 4830C Interpretive & Practical Clinical Chem
- MLS 4831C Interpretive & Practical Immunohematology
- MLS 4832C Interpretive & Practical Hematology
- MLS 4833C Diagnostic Microbiology
- CGS 1060C Computer Fundamentals for Business
- BSC 3403C Quantitative Biological Methods

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 for a national certification examination and then qualify for State Licensure.
- Students must earn a grade of “C” (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

6. Electives none

7. Foreign Language Requirements (0-8 hrs)
Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: 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.
- 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
UfC Degree Programs

Transfer Notes:
Community College Equivalences
- Human Anatomy and Physiology I & II 8 hrs (BSC 2093C and 2094C)
- General Microbiology/Lab (MCB 2010C) 4 hrs

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Program Accreditation
The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS - 8410 Bryn Mawr Avenue Suite 670, Chicago, IL 6063) and is approved as a training program by the state of Florida Board of Clinical Laboratory Personnel.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ............................................... $78 per term
- Part-time Student ............................................... $39 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 16 hrs  Spring 17 hrs
ENC 1101  3  ENC 1102  3
MAC 1106  3  BSC 2010C  4
SPC 1060  3  CHM 2046  3
CHM 2045C  4  CHM 2046L  1
CGS 1060C  3  ANT 2000 or SYG 2000  3
or PSY 2012  3
STA 2023  3
Sophomore Year
Fall 16 hrs  Spring 17 hrs
POS 2041 or ECO 2013  3  CHM 2211  3
CHM 2210  3  CHM 2211L  2
ZOO 3733C  4  MCB 3020C  5
EUH 2000 or HUM 2210  3  PCB 3703C  4
or AMH 2010  3  EUH 2001L or
or REL 2300 or PHI 2010  3

Junior Year
Fall 13 hrs  Spring 12 hrs
MLS 3220C  3  MLS 3305/L  3/1
MLS 4626L  3/1  MLS 4630  3
PCB 3233/L  3/1  MLS 4460C  5
MLS 4430C  2
Summer 7 hrs
MLS 4434  3
MLS 4550  4

Senior Year
Fall 16 hrs  Spring 13 hrs
MLS 4830C  4  MLS 4910  2
MLS 4831C  4  MLS 4905C  3
MLS 4832C  4  MLS 4933  1
MLS 4833C  4  MLS 3705  3
BSC 3403C  4

MODERN LANGUAGE COMBINATION (B.A.)
College of Arts and Humanities
Department of Modern Languages & Literature, CNH 523
http://mlc.ah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Admission Requirements
- none

Placement in Language courses
- Placement in language courses is based on one year of high school language being equivalent to one semester of college work. Students must consult an advisor.
- Native speakers or students who have received advanced education abroad must substitute select classes.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Language combinations may consist of French, German or Spanish as a first language and any of those three as a second language, as well as Italian.
- 24 credits in the first language and 15 credits in the second must be taken at the 3000 level or above.
- At least 33 hours must be taken in Modern Language courses taught in the target language.
- Students must earn at least a “C” (2.0) in each upper division foreign language course.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which credit by Examination in literature courses only.
- Students must see their departmental advisor for counseling and schedule approval before registering.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations 9 hrs
   - B. Cultural and Historical Foundations 9 hrs
   - C. Mathematical Foundations
     Select MGF 1100 Finite Mathematics or MGF 1107 (may substitute a higher level math) 3 hrs
     Prefer CGS 1060 Intro to Computer Sci or STA 1060C Statistics Using Excel 3 hrs
   - D. Social Foundations 6 hrs
   - E. Science Foundations 6 hrs

2. Common Program Prerequisites (0-14 hrs)
   Completion of Intermediate level of proficiency.
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core requirements-first language (24 hrs)
   (French, German or Spanish)
   a. Composition (select one) 3 hrs
      SPN 3420* Spanish Composition
      FRE 3420* French Composition
      GER 3420* German Composition
   b. Oral Communication (select one) 3 hrs
      SPN 3760* Adv Spanish Oral Communication
      FRE 3760* Adv French Oral Communication
      GER 3760* Adv German Oral Communication
   * A native or near-native speaker must substitute an alternate upper division language course in consultation with a departmental advisor.
   c. Literature (select one sequence) 6 hrs
      SPW 3100 & 3101 Survey of Spanish Literature
      SPW 3130 & 3131 Survey of Latin American Literature
      FRW 3100 & 3101 Survey of French Literature
      GEW 3100 & 3101 Survey of German Literature
   d. Linguistics (select one) 3 hrs
      FRE 3780 French Phonetics and Diction
      FOL 3730 Romance Philology
      GER 3760 German Phonetics and Diction
      SPN 4801 Spanish Morphosyntax
      SPN 4800 Spanish American Syntax
      SPN 4780 Spanish Phonetics
   e. Restricted Electives in the first language (chosen with departmental advisor) 9 hrs

4. Core requirements-second language (15 hrs)
   (French, German, Spanish, or Italian)
   a. Composition (select one) 3 hrs
      SPN 3420 , FRE 3420 , GER 3420 , ITA 3420
   b. Advanced Oral Communication (select one) 3 hrs
      SPN 3760, FRE 3760, GER 3760, or ITA 3760
   c. Restricted Electives in the second language (chosen with departmental advisor) 9 hrs
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 (primary track)
- 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
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required	120 hrs

Related Programs: French, Spanish

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.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
BSC 1005* req# 1E2-GEP
ENC 1101 Composition I
AMH 2010* req# 1B1-GEP
MGP 1108* req# 1C1-GEP
SPN 1120C* req# 2-CPP
Spring
ANT 2000* req# 1D2-GEP
PSC 1121* req# 1E1-GEP
COM 1000* req# 1A3-GEP
SPN 2200* req# 3-CPP
FRE 1120C* req# Lang/Elect
Sophomore Year
Fall
BSC 3403C Quantitative Biological Methods
SPW 3100* req# 3c-Core1
Spring
FRE 2211L

Junior Year
Fall
BSC 3402* req# 3a-Core1
SPN 3760* req# 3b-Core1
SPN 3300* req# 3e-Core1
Elective* Check restrictions
FRE 2200* req# Lang/Elect
Spring
SPN 3100* req# 3c-Core1

Senior Year
Fall
SPN 3100* req# 3c-Core1
SPN 4410* req# 3e-Core1
FRE 4421* req# 4c-Core2
FW 3100* req# 4c-Core2
Elective* Check restrictions
Spring
SPW 3100* req# 3d-Core1

MCB 4603 Environmental Microbiology 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs

MCB 4603 Environmental Microbiology 3 hrs

MOLECULAR BIOLOGY AND MICROBIOLOGY (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu

Chair: P. E. Kolattukudy

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/ Community College System.
- Students should consult with a departmental advisor.

1. UCF General Education Program
(38+2 - 3hrs)
(Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.)

A. Communication Foundations
- Select ENC 1101, ENC 1102
- Prefer SPC 1603 Tech Presentations
B. Cultural Historical Foundations
- Select STA 2023 or CGS 1060C

C. Mathematical Foundations
- Select MAC 2311 or MAC 2233
- Select STA 2023 or CGS 1060C
D. Social Foundations
- Select Communication
E. Science Foundations

2. Common Program Prerequisites
(16 hrs)

- Select STA 2023
- MAC 2311
- MCB 3002
- BCH 4053
- PHY 2053
- BCH 4011
- MCB 4040
- STS 2023
- CGS 1060C
- BCH 4053
- MCB 4040
- STS 2023
- CGS 1060C

3. Core Requirements
(33 hrs)

- MAC 2311
- BCH 4053
- MCB 3002
- BCH 4011
- MCB 4040
- STS 2023
- CGS 1060C

4. Upper Division Restricted Elective
(7 courses minimum)

- MCB 4020
- MCB 4020
- MCB 4020
- MCB 4020
- MCB 4020
- MCB 4020
- MCB 4020
UCF Degree Programs

MCB 4721C Methods in Biotechnology  4 hrs
MCB 4970H Honors Thesis  3 hrs
*MCB 5225 Molecular Biology of Disease  3 hrs
MCB 5654 Applied Microbiology  3 hrs
MCB 5932 Current Topics in Molecular Biology  3 hrs
MLS 3220C Clinical Microscopy with lab  3 hrs
*MLS 3305 Hematology  3 hrs
*MLS 4334 Histotechnology  3 hrs
*MLS 4430C 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 3063 Genetics  3 hrs
*PCB 3703C Human Physiology  4 hrs
*PCB 4026 Molecular and Cellular Pharmacology  3 hrs
PCB 4226 Cancer Biology  3 hrs
PCB 4174 Foundations of Bio-imaging  3 hrs
PCB 4251 Tissue Engineering  3 hrs
*PCB 4514 Genetics II  3 hrs
PCB 4529 Experimental Molecular Biology  3 hrs
*PCB 4805 Endocrinology  3 hrs
PCB 4824 Stem Cell Biology  4 hrs
*PCB 5238 Immunobiology  4 hrs
PCB 5239 Tumor Biology  3 hrs
PCB 5275 Signal Transduction Mechanisms  3 hrs
*ZOO 3701C Human Gross Anatomy  3 hrs
*ZOO 3733C Human Anatomy  3 hrs
*ZOO 3744 Neurobiology  3 hrs
*ZOO 4603C Vertebrate Embryology  5 hrs
*ZOO 4605 Human Embryology  3 hrs
*ZOO 4704C Clinical Neuroanatomy & Neuroscience  4 hrs
*ZOO 4753C Vertebrate Histology  4 hrs
*ZOO 4747C Clinical Neurosurgery  3 hrs
ZOO 5745C Essentials of Neuroanatomy  4 hrs

*Recommended for Preprofessional students

5. Departmental Exit Requirements

- Students must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework taken in the Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students are 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 2.0 UCF GPA.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residence at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

Related Programs: Biology, Biotechnology, Chemistry, Medical Laboratory Sciences

Related Minors: Biology, Chemistry

Transfer Notes:
Students who begin a two semester course sequence (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) level must take an additional 8 eight hours of upper division coursework at UCF.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- PCB 3063** may be substituted by PCB 3403C
- PCB 4805C**, may be substituted by PCB 2404C, 2041C

Honors in the Major

- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete BSC 3404H “Quantitative Biological Methods” with a grade of B or better (4 credits).
- Complete MCB 4970H "Honors Thesis" with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student ............................................ $78 per term
- Part-time Student ........................................... $39 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year

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<tr>
<th>Fall</th>
<th>Spring</th>
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<tr>
<td>ENC 1101</td>
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<tr>
<td>or ENC 1102</td>
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<tr>
<td>or CHM 2211</td>
<td>or EHU 2001</td>
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</tr>
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*Plan your required 9 summer hours into your course of study

Sophomore Year

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<td>or POS 2014</td>
<td>or PHY 2049* 2049L</td>
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<td>or PHY 2049* 2049L</td>
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*Students electing to enroll in the PHY2049/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

**or BSC 3403C

Junior Year

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<td>BCH 4053</td>
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<td>or PHY 2049* 2049L</td>
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<td>or PHY 2049* 2049L</td>
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Senior Year

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MOLECULAR BIOLOGY AND MICROBIOLOGY - PREPROFESSIONAL CONCENTRATION (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu

Chair: P.E. Kolattukudy

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA 124.

1. UCF General Education Program (36+ 2-3 hrs)

(Each course must be selected in GEP for this major, bringing the total GEP hours to more than 36.)

A. Communication Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Select ENC 1101, ENC 1102</td>
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<tr>
<td>Prefer SPC 1003 Tech Presentations</td>
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B. Cultural Historical Foundations

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>Cultural</td>
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C. Mathematical Foundations

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D. Social Foundations

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<tbody>
<tr>
<td>Social</td>
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E. Science Foundations

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<td>Select CHM 2045C</td>
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2. Common Program Prerequisites (16 hrs)

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<tr>
<td>CHM 2045C**</td>
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<tr>
<td>MAC 2311</td>
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*See Transfer Notes for possible substitutes

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (35 hrs)

A. Life Sciences

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<td>PCB 4239, 3233L</td>
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<tr>
<td>PCB 3522, 4524</td>
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<tr>
<td>BSC 3403C</td>
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<td>SLS 2311C</td>
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B. Chemistry

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C. Physics

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<tr>
<td>PHY 2048, 2049</td>
<td>8 hrs</td>
</tr>
</tbody>
</table>

D. Math, Statistics, Computer

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311 or MAC 2253</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 or CGS 1060C</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*May be substituted by BSC 3403C

**Or CHM 2040C, 2041C

4. Upper Division Restricted Electives (7 courses minimum)

(Seven courses, no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be laboratory courses. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.)

Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4054</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 3302</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 3303, 3303L</td>
<td>4 hrs</td>
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<tr>
<td>MCB 3404</td>
<td>3 hrs</td>
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<tr>
<td>MCB 4203</td>
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<tr>
<td>MCB 4276</td>
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<td>MCB 4312</td>
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<tr>
<td>MCB 4503C</td>
<td>3 hrs</td>
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<tr>
<td>MCB 4970H</td>
<td>3 hrs</td>
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<tr>
<td>MCB 5225</td>
<td>3 hrs</td>
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<tr>
<td>MLS 3305</td>
<td>3 hrs</td>
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<tr>
<td>MLS 4430C</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MLS 4505C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>3 hrs</td>
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<tr>
<td>PCB 3703C</td>
<td>4 hrs</td>
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<tr>
<td>PCB 4026</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4235</td>
<td>3 hrs</td>
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<tr>
<td>PCB 4514</td>
<td>3 hrs</td>
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<tr>
<td>PCB 4805</td>
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<tr>
<td>PCB 5238</td>
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<tr>
<td>ZOO 3701C</td>
<td>3 hrs</td>
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<tr>
<td>ZOO 3733C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>3 hrs</td>
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<tr>
<td>ZOO 4803C</td>
<td>5 hrs</td>
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<tr>
<td>ZOO 4805</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 4704C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

5. Departmental Exit Requirements

- Student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- Minimum of 20 hours must be taken at UCF in the department of the major.
- Students are required to pass a comprehensive test during their last semester.

6. Electives (variable)

7. Foreign Language Requirements (0-8 hrs)

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

8. University Minimum Exit Requirements

A 2.0 UCF GPA.

- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residence at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required: 120 hrs

Related Programs: Biology, Biotechnology, Chemistry, Medical Laboratory Sciences

Related Minors: Biology, Chemistry

UCF Degree Programs

Transfer Notes: Students who enter 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 eight hours of upper division coursework at UCF.
MUSIC (B.A.)
College of Arts and Humanities
Department of Music, CNH 250A
http://www.music.cah.ucf.edu/
Academic Advisor: Kirk Gay, 407-823-5968; Fax 407-823-3378, E-mail: kgay@mail.ucf.edu

Admission Requirements
- Each student must either complete an audition that demonstrates satisfactory proficiency or pass an interview with the Academic Advisor.
- The audition will serve as a placement examination for accepted candidates.

Degree Requirements
- Prior to attending the first music class as a music major at UCF, students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 24 hours must be taken from the UCF Music department.
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor for course selections.
- Courses designated in 1 (General Education Program) are usually spread over the full four years.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
(see General Education Program for detailed information)

A. Communication Foundations 9 hrs
Select ENC 1101 and ENC 1102
Prefer SPC 1608

B. Cultural and Historical Foundations
Select one course from 1.B.1 list 3 hrs
Select MCB 2001 History and Literature I 3 hrs

C. Mathematical Foundations
Prefer MGF 1106 Finite Mathematics

D. Social Foundations 6 hrs

E. Science Foundations 6 hrs

2. Common Program Prerequisites (28 hrs)

MUT 1121 Music Theory and Musicianship I 4 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MUN XXXX Ensembles 4 hrs
MVF XXXX Performance 4 hrs
MVK 1111 Class Piano I 1 hr
MVK 1112 Class Piano II 1 hr
MVK 2121 Class Piano III 1 hr
MVK 2122 Class Piano IV 1 hr

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (9 hrs)

MUS 2014 Introduction to Music Literature 3 hrs
MUS 3260C Introduction to Music Technology 3 hrs
MUS 1010 Music Forum (four semesters) 0 hrs
MUM 3211 Music History & Literature I 3 hrs
MUM 3212 Music History & Literature II GEP

4. Restricted Electives-Music (15-19 hrs)
- Choose one MUT 3XXX or MUT 4XXX course 3 hrs
- Choose from any MUX XXX or MUX 4XXX (No more than 6 of these credits can be taken as MUN courses.) 12-16 hrs

5. Restricted Electives-Non-Music (18 hrs)
Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.
6. Electives (3-11 hrs)
   Select primarily from upper-level courses

7. Departmental Exit Requirements (3 hrs)
   - MUS 4900 Capstone/Senior Thesis Project 3 hrs
   - Earn a grade of “C” (2.0) or better in each Music course

8. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum 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.

Program Academic Learning Compacts
   Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee
   - Full-time Student: $90 per term
   - Part-time Student: $45 per term

Suggested Plan of Study:
Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year

<table>
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<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>17 hrs</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I (GEP A.1.) 3</td>
<td>ENC 1102 Composition II (GEP A.2.) 3</td>
<td>MUS 1010 Music Forum 0</td>
<td>MUS 1010 Music Forum 0</td>
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<tr>
<td>MÜT 1121 Music Theory and Musicianship I 4</td>
<td>MÜT 1122 Music Theory and Musicianship II 4</td>
<td>MÜT 1121 Music Theory and Musicianship I 4</td>
<td>MÜT 1122 Music Theory and Musicianship II 4</td>
</tr>
<tr>
<td>MVX 141X Performance I 2</td>
<td>MVX 141X Performance I 2</td>
<td>MÜT 2121 Music Theory and Musicianship I 4</td>
<td>MÜT 2121 Music Theory and Musicianship II 4</td>
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<td>MVK 1111 Class Piano I 1</td>
<td>MVK 1111 Class Piano I 1</td>
<td>MÜT 2121 Music Theory and Musicianship I 4</td>
<td>MÜT 2121 Music Theory and Musicianship II 4</td>
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<tr>
<td>MUS 1010 Music Forum 0</td>
<td>MUS 1010 Music Forum 0</td>
<td>MÜT 2121 Music Theory and Musicianship I 4</td>
<td>MÜT 2121 Music Theory and Musicianship II 4</td>
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<tr>
<td>MUL 2014 Intro to Music History and Literature 3</td>
<td>MUS 200C Intro to Music Technology 3</td>
<td>MUL 2014 Intro to Music History and Literature 3</td>
<td>GEP E.1. Science Foundation 3</td>
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Sophomore Year

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<th>Spring</th>
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<tr>
<td>SPC 100X Fundamentals Oral Comm (GEP A.3) 3</td>
<td>GEP B.1 Cultural &amp; Historical Foundation 3</td>
<td>MÜT 2126 Music Theory and Musicianship III 4</td>
<td>MÜT 2227 Music Theory and Musicianship IV 4</td>
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<td>MÜT 2126 Music Theory and Musicianship III 4</td>
<td>MVX 141X Performance I 2</td>
<td>MUN XXXX Ensemble 1</td>
<td>MUN XXXX Ensemble 1</td>
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<tr>
<td>XXX 1120 Foreign Language 4</td>
<td>XXX 1121 Foreign Language 4</td>
<td>MÜT 2126 Music Theory and Musicianship III 4</td>
<td>MÜT 2126 Music Theory and Musicianship IV 4</td>
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<td>MUS 1010 Music Forum 0</td>
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<tr>
<td>MUS 1010 Music Forum 0</td>
<td>MUS 1010 Music Forum 0</td>
<td>STA 100X C Basic Statistics MS Excel (GEP C.2) 3</td>
<td>MGF 1100 Finite Mathematics (GEP C.1) 3</td>
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<td>STA 100X C Basic Statistics MS Excel (GEP C.2) 3</td>
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Junior Year

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<th>Fall</th>
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<th>Spring</th>
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<tr>
<td>GEP B.2. Cultural &amp; Historical Foundation 3</td>
<td>MUX 3400X Music Restricted Elective 3</td>
<td>GEP B.2. Cultural &amp; Historical Foundation 3</td>
<td>MUX 3400X Music Restricted Elective 3</td>
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<td>MÜT 2126 Music Theory and Musicianship III 4</td>
<td>MUX 3400X Music Restricted Elective 3</td>
<td>MÜT 2126 Music Theory and Musicianship III 4</td>
<td>MUX 3400X Music Restricted Elective 3</td>
</tr>
<tr>
<td>MVX 141X Performance I 2</td>
<td>MUX 3400X Music Restricted Elective 3</td>
<td>MVX 141X Performance I 2</td>
<td>MUX 3400X Music Restricted Elective 3</td>
</tr>
<tr>
<td>XXX 3400X Non-Music Restricted Elective</td>
<td>JUN 3400X Non-Music Restricted Elective</td>
<td>XXX 3400X Non-Music Restricted Elective</td>
<td>JUN 3400X Non-Music Restricted Elective</td>
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<td>XXX 3400X Non-Music Restricted Elective</td>
<td>XXX 3400X Non-Music Restricted Elective</td>
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</tbody>
</table>

Senior Year

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<th>Fall</th>
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<th>Spring</th>
<th>12 hrs</th>
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<tbody>
<tr>
<td>MUX 4900 Capstone Project 3</td>
<td>XXX 3400X Non-Music Restricted Elective 3</td>
<td>MUX 4900 Capstone Project 3</td>
<td>XXX 3400X Non-Music Restricted Elective 3</td>
</tr>
</tbody>
</table>

MUSIC EDUCATION (B.M.E.)

College of Arts and Humanities
Department of Music, CNH 205A
http://www.music.cah.ucf.edu/
E-mail: musicaud@mail.ucf.edu
Contact: A. Holcomb, 407-823-4180, Fax 407-823-3378,
E-mail: aholcomb@mail.ucf.edu

Admission Requirements - Music Education
   - Audition. To be accepted into Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
   - Memorization is required for pianists and vocalists.
   - Accompanists are provided for vocalists only.
   - Each candidate must bring his/her own audition music.
   - The department will only provide large instruments such as a tuba, string bass, or timpani for these auditions.
   - The audition will serve as a placement exam for accepted candidates.
   - Refer to the UCF Music Department Web site for specific audition requirements.
   - Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.
   - Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

Admission Requirements – Professional Program
   - Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for fall semester admission and September 15 for spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:
     - Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 205, Music Theory and Musicianship III, first semester of Performance II.
     - Have a minimum overall GPA of 2.5 and a grade of “C” (2.0) or better in each performance, education, and music education course.
     - Have on file in the University admissions office passing scores on all 4 parts of the College Level Academic Skills Test (CLAST) or the General Knowledge Test of the Florida Teacher Competency Examination.
     - Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).

To be accepted into the Music Education Professional Program students must:
   - Complete Class Piano IV, MUT 2127 Music Theory and Musicianship IV, two semesters of Performance II.
   - Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).

Notes:
   (1) Students may not enroll in Performance III or Professional Program courses unless all requirements for admission are satisfied.
   (2) Students who change degree programs and select this major must adopt the most current catalog.
   (3) Common program prerequisites are subject to revision based on changes in Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.5.066, Approval of Pre-service Teacher Preparation Programs.
UCF Degree Programs

Degree Requirements

1. UCF General Education Program (36 hrs)
   (see General Education Program for detailed information)
   A. Communication Foundations
      Select ENC 1101 and ENC 1102
      Prefer SCP 1608
   9 hrs
   B. Cultural and Historical Foundations
      Select one course from B.1.A list
      3 hrs
      Select one course from B.1.B or B.1.C list
      3 hrs
      Prefer MGF 1106 Finite Mathematics or MGF 1107
      (may substitute a higher level math)
      Prefer STA 1060C Statistics Using Excel
   3 hrs
   C. Mathematical Foundations
      Select MUH 3211 History and Literature I
      Select one course from B.1.2 or B.1.3 list
      3 hrs
      3 hrs
   D. Social Foundations
      6 hrs
   E. Science Foundations
      6 hrs

2. Common Program Prerequisites (38 hrs)
   EDF 2005 Introduction to the Teaching Profession
   EDF 2085 Introduction to Diversity for Educators
   EME 2040 Introduction to Technology for Educators
   MUN XXXX Major Ensembles (4 semesters)
   MUS 1010 Music Forum (4 semesters)
   MUS 3211 Music Theory and Musicianship I
   MUS 3212 Music Theory and Musicianship II
   MUS 3215 Music Theory and Musicianship III
   MUS 3217 Music Theory and Musicianship IV
   MVK 2122 Class Piano IV
   MVX 141X Performance I (2 semesters)
   MVX 242X Performance II (2 semesters)
   4 hrs
   4 hrs
   4 hrs
   4 hrs
   4 hrs
   4 hrs
   1 hr
   4 hrs
   4 hrs
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Music Core Requirements (0 hrs)
   MUN XXXX Major Ensembles (4 semesters)
   MUS 1010 Music Forum (6 semesters)
   MUS 3211 Music Theory and Musicianship I
   MUS 3212 Music Theory and Musicianship II
   MUS 3215 Music Theory and Musicianship III
   MUS 3217 Music Theory and Musicianship IV
   MVK 2122 Class Piano IV
   MVX 141X Performance I (2 semesters)
   MVX 242X Performance II (2 semesters)
   3 hrs
   3 hrs
   4 hrs
   4 hrs
   4 hrs
   4 hrs
   1 hr
   4 hrs
   4 hrs

4. Music Education Prerequisites (22 hrs)
   MUN XXXX Major Ensembles (2 semesters)
   MVX 343X Performance III (2 semesters)
   MUG 3104 Basic Conducting
   MUL 2014 Introduction to Music Literature
   MUH 3211 Music History & Literature I
   MUH 3212 Music History & Literature II
   ESE 3940 Internship I
   ESE 4311 Elementary School Music Methods
   ESE 3333 Music Learning Theory and Assessment
   2 hrs
   4 hrs
   2 hrs
   3 hrs
   3 hrs
   3 hrs
   3 hrs
   3 hrs

5. Education Core (12 hrs)
   EDG 4410 Teaching Strategies and Classroom Mgmt.
   TSL 4080 Theory and Practice of Teaching ESOL Students
   EDF 4603 Critical Analysis of Ethical, Legal and School Safety Issues
   RED 4043 Content Reading K-12
   3 hrs
   3 hrs
   3 hrs
   3 hrs

6. Music Education Specialty Area Courses and Professional Program Courses (26 hrs)
   Professional Program Courses Denoted by *)
   Complete one program:
   Program A - Instrumental
   MUE 2346 Vocal Techniques
   MUG 3302 Instrumental Conduct & Materials*
   MUE 3433 Secondary Instrumental Methods I*
   MUE 3435 or Secondary Instrumental Methods II or
   MUE 4444 String Methods*
   MUE 4394 Seminar in Music Teaching*
   ESE 4943 Internship II*
   1 hr
   2 hrs
   3 hrs
   3 hrs
   3 hrs
   1 hr
   11 hrs
   Program B - Choral
   MUE 2450 Woodwind Techniques I
   MUE 3451 Woodwind Techniques II
   MUE 2460 Brass Techniques I
   MUE 3461 Brass Techniques II
   MUE 2470 Percussion Techniques I
   MUE 2471 Percussion Techniques II
   MUE 2440 String Techniques
   1 hr
   1 hr
   1 hr
   1 hr
   1 hr
   1 hr
   1 hr
   Program C - Elementary
   MUE 2346 Vocal Techniques
   MUE 3433 Vocal and Students with Special Needs
   MUG 3X02 Choral or Instrumental Conducting and Materials*
   MUE 3353 General Music Literature and Techniques*
   MUE 4331 Secondary Choral Methods I*
   MUE 4394 Seminar in Music Teaching*
   ESE 4943 Internship II*
   1 hr
   2 hrs
   2 hrs
   2 hrs
   3 hrs
   1 hr
   11 hrs
   Choose 3:
   MUE 2346 Vocal Techniques
   MUE 3451 Woodwind Techniques II
   MUE 3461 Brass Techniques II
   MUE 2470 Percussion Techniques I
   MUE 2471 Percussion Techniques II
   MUE 2440 String Techniques
   1 hr
   1 hr
   1 hr
   1 hr
   1 hr
   1 hr

7. Internship
   Admission to Internship I will be granted to students who meet the following requirements:
   - Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test and/or College Level Academic Skills Test (CLAST) (no alternatives or waivers will be accepted).
   - Possess minimum overall GPA of 2.5
   - Possess minimum specialization GPA of 2.5
   - Possess minimum professional preparation GPA of 2.5
   - Achieve a "C" or better in all prerequisite methods/specialization courses
   - Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester)
   - Current enrollment in or completion of Performance III (first semester)
   - Completion of Music Education prerequisites and Education Core Requirements
   - Completion of 30 semester hours of General Education and Common Program courses
   - Completion of all Specialty Area courses except Secondary Methods II (MUE 4331X), Seminar in Music Teaching (MUE 4394) and Internship II (ESE 4943)

   Admission to Internship II will be granted to students who meet the following requirements:
   - Completion of all admission requirements for Internship I (see above)
   - Completion of Performance III and any associated recital (students may not perform a recital during Internship II)
   - Completion of all music methods and techniques courses
   - Completion of all General Education and Common Program courses

   Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

   Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the students’ last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

8. Special Non-Course Requirements
   Note: Contact the Music Education Advisor for details.
   Students should register to take the General Knowledge Test of the Florida Teaching Certification Examination (FTCE) before the third
semester of enrollment at UCF. (See http://www.tf.inesinc.com/ for test information).

- Electronic Portfolio. Students will develop an electronic portfolio while enrolled in upper division education courses and internship. The portfolio requires demonstration of professional growth, reflection, and proficiencies in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
- Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
- Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in separate semesters.
- Students enrolled in a Performance course must concurrently enroll in an appropriate major ensemble if accepted.

Recitals
- Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization). Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

CMENC Membership
- Active participation in CMENC is expected. Students are expected to maintain a record of participation at CMENC events. In addition, students are expected to document attendance at any event that promotes development as a music educator (e.g., music or music education conferences, workshops).

Music Education Forums
- Attendance at all Music Education Forums (except during Internship I and II) is expected.

Advising
- Consult with the music education advisor for course selection.

Public School Partnerships
- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

9. Departmental Exit Requirements
- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See specific test information).
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each performance and music education course.
- Computer competency is met through MUE 3693 Technology in Music Education.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.

10. Foreign Language Requirements (0-8 hrs)

Admission: Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: None

11. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF

- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits admitted

12. Total Semester Hours Required 134 hrs

Related Programs: Music, Theatre

Related Minors: Music, Theatre

Transfer Notes:
- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Note: Education majors are required to take six hours (in addition to EDF 2085) that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee
- Full-time Student $90 per term
- Part-time Student $45 per term

Suggested Plan of Study:
Examples given shows a student majoring in Bachelor of Music Education in Instrumental, Choral, and Elementary tracks. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Program A – Instrumental Program K–12

Freshman

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Total 17

Take General Knowledge Test

Sophomore

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Total 15

Apply for Professional Program

Junior

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Total 15

Graduate

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Total 17

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits admitted

Transfer Notes:
- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Note: Education majors are required to take six hours (in addition to EDF 2085) that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee
- Full-time Student $90 per term
- Part-time Student $45 per term

Suggested Plan of Study:
Examples given shows a student majoring in Bachelor of Music Education in Instrumental, Choral, and Elementary tracks. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Program A – Instrumental Program K–12

Freshman

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Total 17

Take General Knowledge Test

Sophomore

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Apply for Professional Program

Junior

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Total 17

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits admitted

Transfer Notes:
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- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Note: Education majors are required to take six hours (in addition to EDF 2085) that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee
- Full-time Student $90 per term
- Part-time Student $45 per term

Suggested Plan of Study:
Examples given shows a student majoring in Bachelor of Music Education in Instrumental, Choral, and Elementary tracks. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.
UCF Degree Programs

Senior
Fall
- ESE 3940 Internship I
- GEP
- MUE 4311 Elem. School Music Methods
- TSL 4080 Teaching LEP Children
- CMENC
- CMENC
- Total 14

Take PET and Music Examination of FTCE

Remaining 3 GEP courses taken as part of 9 required summer hours

Program B – Choral Program K–12
Freshman
Fall
- GEP
- EDF 2005 Intro to the Teaching Prof
- MVX 2126 Music Theory & Musicianship
- MUE 3211 Class Piano I
- MUS 1250 IPA for Singers
- MUS 1010 Music Forum
- CMENC/Schools
- Total 17

Sophomore
Fall
- MUS 1010 Music Forum
- CMENC/Schools
- MUE 4311 Elem. School Music Methods
- TSL 4080 Teaching LEP Children
- GEP
- EDF 2005 Basic Conducting
- MUE 4311 Elem. School Music Methods
- ESE 3940 Internship I
- Program Coordinator: J. Rupert, 407-823-5411, E-Mail: jrupert@mail.ucf.edu; Academic Advisor: Kirk Gay; 407-825-5938; Fax: 407-823-3378; E-mail: kgay@mail.ucf.edu
- GEP
- Final GPA of at least 2.8, and a GPA for all music courses of at least 3.0.
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- Completion of Jazz Theory I & II
- Completion of Class Piano IV
- Completion of Performance I and II
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.ucf.edu/admissions_audition.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.
- Professional Sequence Entrance Review
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:
- An evaluation of performance skills
- Completion of Performance I and II
- Completion of MUS 3260C
- Completion of MUT 2127, Music Theory and Musicianship IV
- Completion of Class Piano IV
- Completion of Jazz Theory I & II
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Performance level III.
- Program C – Elementary Program
Freshman
Fall
- GEP
- EDF 2005 Intro to the Teaching Prof
- MVX 2126 Music Theory & Musicianship
- MUE 3211 Class Piano I
- MUE 2346 Vocal Techniques
- MUS 1010 Music Forum
- CMENC/Schools
- Total 17

Take PET and Music Examination of FTCE

Remaining 3 GEP courses taken as part of 9 required summer hours

Sophomore
Fall
- MUS 1010 Music Forum
- GEP
- EDF 2005 Basic Conducting
- MUE 4311 Elem. School Music Methods
- TSL 4080 Teaching LEP Children
- GEP
- Final GPA of at least 2.8, and a GPA for all music courses of at least 3.0.
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- Completion of Jazz Theory I & II
- Completion of Class Piano IV
- Completion of Jazz Theory I & II
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Performance level III.
- Program Requirements
- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.
1. **UCF General Education Program** (36 hrs)
   (see General Education program for detailed information)
   
   **A. Communication Foundations**
   
   Select ENC 1101 and ENC 1102
   Prefer SPC 1608

   **B. Cultural and Historical Foundations**
   
   Select one course from 1.B.1 list
   Select MUL 2016 Evolution of Jazz
   Select one course from 1.B.1 or 1.B.2 list

   **C. Mathematical Foundations**
   
   Prefer MGF 1106 Finite Mathematics or MGF 1107
   (may substitute a higher level math)
   Prefer STA 1060C Statistics Using Excel

   **D. Social Foundations**
   
   6 hrs

   **E. Science Foundations**
   
   6 hrs

2. **Common Program Prerequisites** (24 hrs)
   
   **MUT 1121**
   Music Theory and Musicianship I

   **MUT 1122**
   Music Theory and Musicianship II

   **MUT 2126**
   Music Theory and Musicianship III

   **MUT 2127**
   Music Theory and Musicianship IV

   **MUN 3713**
   Jazz Ensemble (four semesters)

   **MKV 1111**
   Class Piano I

   **MKV 1112**
   Class Piano II

   **MKV 2121**
   Class Piano III

   **MKV 2122**
   Class Piano IV

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. **Core Requirements** (33 hrs)
   
   **MUL 2014**
   Intro to Music History and Literature

   **MUS 2360C**
   Intro to Music Technology

   **MUS 1010**
   Music Forum (eight semesters)

   **MUS 1016**
   Evolution of Jazz

   **MUT 3170**
   Jazz Theory I

   **MUT 3171**
   Jazz Theory II

   **MUT 3923**
   Jazz Workshop (four semesters)

   **MUS 4320**
   Music Business & Industry

   **MUS 4814**
   Jazz Styles and Analysis

   **MUS 3953**
   Recital Performance I

   **MUS 4954**
   Recital Performance II

   **MUH 3211 or MUH 3212**
   Music History & Literature I or II

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

4. **Specialty Requirements (Choose one):** (27 hrs)
   
   **Trumpet**
   
   MVJ 1411
   Trumpet I (two semesters)

   MVJ 2421
   Trumpet II (two semesters)

   MVJ 3431
   Trumpet III (two semesters)

   MVJ 4441
   Trumpet IV (two semesters)

   **Trombone**
   
   MVJ 1413
   Trombone I (two semesters)

   MVJ 2423
   Trombone II (two semesters)

   MVJ 3433
   Trombone III (two semesters)

   MVJ 4443
   Trombone IV (two semesters)

   **Saxophone**
   
   MVW 1415
   Saxophone I (two semesters)

   MVW 2425
   Saxophone II (two semesters)

   MVW 3435
   Saxophone III (two semesters)

   MVW 4445
   Saxophone IV (two semesters)

   **Jazz Piano**
   
   MVJ 1010
   Jazz Piano I (two semesters)

   MVJ 2220
   Jazz Piano II (two semesters)

   MVJ 3230
   Jazz Piano III (two semesters)

   MVJ 4240
   Jazz Piano IV (two semesters)

   MVK 1211
   Secondary (classical) Piano (two semesters)

5. **Departmental Exit Requirements**
   
   Earn a grade of “C” (2.0) or better in each Music course

   Computer Competency met by MUS 2360C, or departmental examination

6. **Foreign Language Requirements** (0-8 hrs)
   
   **Admission:** Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

   **Graduation:** none

7. **Electives** (variable)
   
   Select primarily from upper level courses. May be outside of the department.

8. **University Minimum Exit Requirements**
   
   **A. 2.0 UCF GPA**
   
   **B. 60 semester hours earned after CLEP awarded**
   
   **C. 48 semester hours of upper division credit completed**
   
   **D. 30 of the last 36 hours of course work must be completed in residency at UCF**
   
   **E. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted**
   
   **F. Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)**

9. **Total Semester Hours Required** 120 hrs

Related Programs: Music Education, Music (BA), Theatre
Related Minors: Music, Theatre, Digital Media

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at [http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm](http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fee:
- Full-time Student ...........................................$90 per term
- Part-time Student ...........................................$45 per term

Suggested Plan of Study:
Example given shows a student majoring in Jazz Studies. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.
UCF Degree Programs

Program A: Jazz Trumpet, Trombone, Saxophone

Freshman Year

Fall  
14 hrs  
ENC 1101 Composition I  3  
MUT 1121 Music Theory and Musicianship I  4  
MUN 3713 Jazz Ensemble  1  
MVX 141X Performance I  2  
MUS 1111 Class Piano I  1  
MUS 1010 Music Forum  0  
MUL 2014 Intro to Music History and Literature  3  
MUS 2360C Recital Performance I  0  

Spring  
17 hrs  
ENC 1102 Composition II  3  
MUT 1122 Music Theory and Musicianship II  4  
MUN 3713 Jazz Ensemble  1  
MVX 141X Performance I  2  
MUS 1112 Class Piano II  1  
MUS 1010 Music Forum  0  
MUL 2014 Intro to Music Technology  3  

Sophomore Year

Fall  
17 hrs  
SPC 1XXX Fundamentals of Oral Communication  3  
MUT 2126 Music Theory and Musicianship II  4  
MUN 3713 Jazz Ensemble  1  
MVX 242X Performance II  2  
MUS 2360C Performance II  2  
MUS 1010 Music Forum  0  
MUS 1010 Jazz Workshop I  3  

Spring  
14 hrs  
ENC 1102 Music Theory and Musicianship II  4  
MUT 1122 Music Theory and Musicianship II  4  
MUN 3713 Jazz Ensemble  1  
MVX 242X Performance II  2  
MUS 1112 Class Piano II  1  
MUS 1010 Music Forum  0  
MUL 2014 Intro to Music Technology  3  

Junior Year

Fall  
16 hrs  
GEP B.2. Cultural & Historical Foundation  3  
MUL 2016 Evolution of Jazz  3  
MUT 3923 Jazz Workshop  3  
MUS 1010 Music Forum  0  
MUS 3XXX Restricted Electives  3  
MUS 1010 Jazz Workshop I  3  

Spring  
13 hrs  
STA 1060C Basic Statistics Using Excel (GEP C.2.)  3  
MUT 3923 Jazz Workshop  3  
MUS 1010 Music Forum  0  
MUS 1112 Class Piano II  1  
MUS 1010 Jazz Workshop I  3  

Senior Year

Fall  
16 hrs  
GEP D. Social Foundation  3  
MGF 1106 Finite Mathematics (GEP C.1.)  3  
MUS 1010 Music Forum  0  
MUS 2360C Performance I  2  
MUS 1111 Class Piano I  1  
MUS 1010 Jazz Workshop I  3  

Spring  
13 hrs  
SPA 1XXX Basic Statistics Using Excel (GEP C.2.)  3  
MUT 3923 Jazz Workshop  3  
MUS 1010 Music Forum  0  
MUS 1111 Class Piano I  1  
MUS 1010 Jazz Workshop I  3  

Program B: Jazz Piano, Guitar, Bass, Drum Set

Freshman Year

Fall  
15 hrs  
ENC 1101 Composition I  3  
MUT 1121 Music Theory and Musicianship I  4  
MUN 3713 Jazz Ensemble  1  
MVX 2XXX Performance I  2  
MUS 1010 Music Forum  0  
MUG 4814 Fundamentals of Oral Communication  3  
MUL 2014 Intro to Music History and Literature  3  

Spring  
15 hrs  
ENC 1102 Composition II  3  
MUT 1122 Music Theory and Musicianship II  4  
MUN 3713 Jazz Ensemble  1  
MVX 2XXX Performance I  2  
MUS 1112 Class Piano II  1  
MUS 1010 Music Forum  0  
MUL 2014 Intro to Music Technology  3  

Sophomore Year

Fall  
17 hrs  
SPC 1XXX Fundamentals of Oral Communication  3  
MUT 2126 Music Theory and Musicianship II  4  
MUN 3713 Jazz Ensemble  1  
MVX 3XXX Performance III  3  
MUS 1010 Music Forum  0  
MUS 3XXX Restricted Electives  3  
MUT 2126 Music Theory and Musicianship III  4  

Spring  
14 hrs  
SPA 1XXX Basic Statistics Using Excel (GEP C.2.)  3  
MUT 2126 Music Theory and Musicianship III  4  
MUN 3713 Jazz Ensemble  1  
MVX 3XXX Performance III  3  
MUS 1112 Class Piano II  1  
MUS 3XXX Restricted Elective I  1  
MUS 1010 Jazz Workshop I  3  

Junior Year

Fall  
16 hrs  
GEP D. Social Foundation  3  
MGF 1107 Finite Mathematics  3  
MVX 2XXX Performance II  2  
MUS 1010 Music Forum  0  
MUS 2360C Performance II  2  

Spring  
13 hrs  
SPA 1XXX Basic Statistics Using Excel (GEP C.2.)  3  
MUT 2126 Music Theory and Musicianship III  4  
MUN 3713 Jazz Ensemble  1  
MVX 2XXX Performance II  2  
MUS 1112 Class Piano II  1  
MUS 3XXX Restricted Elective I  1  
MUS 1010 Jazz Workshop I  3  

Senior Year

Fall  
15 hrs  
GEP D. Social Foundation  3  
MGF 1106 Finite Mathematics (GEP C.1.)  3  
MUS 1010 Music Forum  0  
MUS 2360C Performance I  2  
MUS 1111 Class Piano I  1  
MUS 1010 Jazz Workshop I  3  

Spring  
15 hrs  
SPA 1XXX Basic Statistics Using Excel (GEP C.2.)  3  
MUT 2126 Music Theory and Musicianship III  4  
MUN 3713 Jazz Ensemble  1  
MVX 3XXX Performance III  3  
MUS 1111 Class Piano I  1  
MUS 3XXX Restricted Elective I  1  
MUS 1010 Jazz Workshop I  3  

MUSIC – MUSIC COMPOSITION TRACK (B.M.)

College of Arts and Humanities
Department of Music, CNH 205
http://www.music.cah.ucf.edu/
E-mail: musicaud@mail.ucf.edu

Program Coordinator: J. Batzner, 407-823-2864,
E-mail: jbatzner@mail.ucf.edu; Academic Advisor: Kirk Gay,
407-823-5968; Fax 407-823-3378, E-mail: kgay@mail.ucf.edu

Audition Requirements for Admission

■ Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.ucf.edu/admissions_audition.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

■ The audition will serve as a placement examination for accepted candidates.

■ Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.

Professional Sequence Entrance Review

Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition. This review will include:

■ Approval of composition portfolio
■ Completion of Composition I and II
■ Completion of Performance I and II
■ Completion of MUS 2360C
■ Completion of MUT 2127, Music Theory and Musicianship IV
■ Completion of Class Piano IV
■ Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

This review is a pre-requisite for Composition level III.

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ At least 65 hours of credit must be earned in music courses.

■ Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.

■ Composition students must present one faculty-approved public recital.

■ Students should consult with a department advisor for course selection.

■ Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

1. UCF General Education Program (36 hrs)

   (see General Education program for detailed information)
   A. Communication Foundations  9 hrs
      Select ENC 1101 and ENC 1102
      or
      Prefer SPC 1608
   B. Cultural and Historical Foundations  3 hrs
      Select one course from 1.B.1 list
      or
      Select one course from 1.B.1 or 1.B.2 list
   C. Mathematical Foundations  3 hrs
      Prefer MGF 1106 Finite Mathematics or MGF 1107
      (may substitute at a higher level math)
      or
      Prefer STA 1060C Statistics Using Excel  3 hrs
   D. Social Foundations  6 hrs
   E. Science Foundations  6 hrs

2. Common Program Prerequisites (32 hrs)

   MUT 1121 Music Theory and Musicianship I  4 hrs
   MUT 1122 Music Theory and Musicianship II  4 hrs
   MUT 2126 Music Theory and Musicianship III  4 hrs
   MUT 2127 Music Theory and Musicianship IV  4 hrs
   MUN XXXX Major Ensemble (four semesters)  4 hrs
      (Piano students take MUN 3453, guitar students take MUN 3483)
   MVX 141X Performance I (two semesters)  4 hrs
University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
UCF Degree Programs

The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review
During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:
- An evaluation of performance skills
- Completion of Performance I and II
- Completion of MUS 2360C
- Completion of MUT 2127, Music Theory and Musicianship IV
- Completion of Class Piano IV
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

This review is a prerequisite for Performance Level III.

Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals. Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

1. UCF General Education Program (36 hrs)
(see General Education program for detailed information)

A. Communication Foundations
- Select ENC 1101 and ENC 1102
- Prefer SPC 1608

B. Cultural and Historical Foundations
- Select one course from List I or List II
- Select one course from List I or List II

C. Mathematical Foundations
- Select one course from List I or List II
- Prefer STA 1060C Statistics Using Excel

D. Social Foundations

E. Science Foundations

2. Common Program Prerequisites (32 hrs)

- MUT 1121 Music Theory and Musicianship I
- MUT 1122 Music Theory and Musicianship II
- MUT 2126 Music Theory and Musicianship III
- MUN XXXX Major Ensemble (four semesters)

- MVX 141X Performance I (two semesters)
- MVX 242X Performance II (two semesters)
- MVC 1111 Class Piano I
- MVC 1112 Class Piano II
- MVC 2121 Class Piano III
- MVC 2122 Class Piano IV

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements (27 hrs)

- MUL 3400 Piano Literature I
- MUL 3401 Piano Literature II
- MVK 4640 Piano Pedagogy I
- MUN 3453 Piano Ensemble
- Restricted Electives

- Guitar
- MUL 4437 String Literature and Pedagogy
- MUN XXXX Guitar Ensemble
- Restricted Electives

- Voice
- MUS 1250 IPA for Singers
- MUS 3255 German and English Lyric Diction
- MUS 3254 Italian and French Lyric Diction
- MVV 4640 Voice Pedagogy I
- MUL 3602 Song Literature
- MUN XXXX Major Ensembles
- MUN XXXX Minor Ensembles
- MUL 4444 Woodwind Literature and Pedagogy
- Restricted Electives

- Percussion
- MUN XXXX Major Ensemble
- MUN XXXX Minor Ensemble
- MUL 4444 Percussion Literature
- MUL 3602 Percussion Pedagogy I
- Restricted Electives

- Strings
- MUN XXXX Major Ensemble
- MUN XXXX Minor Ensemble
- MUL 3602 String Literature and Pedagogy
- Restricted Electives

*Restricted Electives

- 3-15 hrs
- Choose one MUT 3XXX or MUT 4XXX course
- Any MUC, MUE, MUG, MUH, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

5. Special Non-Course Requirements

Major Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band.
- Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble directors.
- Students must take Major Ensemble during each semester at UCF.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

6. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course
- Computer Competency met by MUS 2360C, or departmental examination
7. Foreign Language Requirements (0-8 hrs)
Admission: Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none
8. Electives (variable)
Select primarily from upper level courses. May be outside of the department.
9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Music Education, Music (BA), Theatre
Related Minors: Music, Theatre, Digital Media

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student $90 per term
- Part-time Student $45 per term

Suggested Plan of Study:
Example given shows a student majoring in Performance. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Program A: Strings, Woodwinds, Brass
Freshman Year
Fall 17 hrs
ENC 1101 Composition I (GEP A.1) 3
MUT 1121 Music Theory and Musicianship I 4
MUS 1010 Music Forum 0
MUL 2024 Intro to Music History and Literature 3
Spring 17 hrs
ENC 1102 Composition II (GEP A.2) 3
MUT 1122 Music Theory and Musicianship II 4
MUS 1010 Music Forum 0
MUL 2024 Intro to Music History and Literature 3
Sophomore Year
Fall 17 hrs
SPC 1608 Fundamentals of Oral Comm (GEP A.3) 3
MUT 2126 Music Theory and Musicianship III 4
MUS 1010 Music Forum 0
STA 1060C Basic Statistics MS Excel (GEP C.2) 3
Spring 15 hrs
SPC 1608 Fundamentals of Oral Comm (GEP A.3) 3
MUT 2126 Music Theory and Musicianship III 4
MUS 1010 Music Forum 0
STA 1060C Basic Statistics MS Excel (GEP C.2) 3

Program B: Percussion
Freshman Year
Fall 14 hrs
ENC 1101 Composition I (GEP A.1) 3
MUT 1121 Music Theory and Musicianship I 4
MUS 1010 Music Forum 0
MUL 2024 Intro to Music History and Literature 3
GEP E.1. Science Foundation 3
Spring 12 hrs
ENC 1102 Composition II (GEP A.2) 3
MUT 1122 Music Theory and Musicianship II 4
MUS 1010 Music Forum 0
MUL 2024 Intro to Music History and Literature 3
GEP E.1. Science Foundation 3

Sophomore Year
Fall 17 hrs
MVP 2421 Percussion II 4
MUT 2127 Music Theory and Musicianship IV 4
MUS 1010 Music Forum 0
MUL 2024 Intro to Music History and Literature 3
MVP 1441 Percussion IV 4
Spring 15 hrs
MVP 2421 Percussion II 4
MUT 2127 Music Theory and Musicianship IV 4
MUS 1010 Music Forum 0
MUL 2024 Intro to Music History and Literature 3
MVP 1441 Percussion IV 4

Program C: Piano
Freshman Year
Fall 14 hrs
ENC 1101 Composition I (GEP A.1) 3
MUT 1121 Music Theory and Musicianship I 4
MUS 1010 Music Forum 0
MUL 2024 Intro to Music History and Literature 3
GEP E.1. Science Foundation 3
Spring 12 hrs
ENC 1102 Composition II (GEP A.2) 3
MUT 1122 Music Theory and Musicianship II 4
MUS 1010 Music Forum 0
MUL 2024 Intro to Music History and Literature 3
GEP E.1. Science Foundation 3

Sophomore Year
Fall 16 hrs
MVP 2421 Piano II 4
MUT 2127 Music Theory and Musicianship IV 4
MUS 1010 Music Forum 0
MUL 2024 Intro to Music History and Literature 3
MVP 1441 Piano IV 4
Spring 14 hrs
MVP 2421 Piano II 4
MUT 2127 Music Theory and Musicianship IV 4
MUS 1010 Music Forum 0
MUL 2024 Intro to Music History and Literature 3
MVP 1441 Piano IV 4
## UCF Degree Programs

### Junior Year

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## NURSING (B.S.N.)

### A. BASIC PROGRAM

(For individuals who are not Registered Nurses)

**College of Nursing**

HPA 220, 407-823-2744

http://www.nursing.ucf.edu/

E-mail: ucfnurse@mail.ucf.edu

Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig; Undergraduate Coordinator: Patricia Leli

**Admission Requirements**

**Limited Access**

Acceptance to the university does not constitute admission to the upper division nursing program.

- **Separate application** to the limited-access program must be made directly to the College of Nursing by the posted deadline.
- For application deadlines, please visit http://www.nursing.ucf.edu/.
- Application for admission to the University must also be submitted by the program deadline.
- All applicants must have a minimum overall GPA of 3.0.
- At least seven (7) of the nine (9) required prerequisites (Chemistry with Lab, and at least 2 additional courses from Group A and the remainder from Group B) must be completed by the application deadline.

- **Chemistry with Lab (required with grade of B- or better)**
- **Microbiology with Lab**
- **Anatomy with Lab**
- **Physiology with Lab (or A&P I, II)**
- **Group B [grade of C (2.0) or better]**
- **Sociology**
- **Psychology**
- **Developmental psychology**
- **Nutrition**
- **Statistics**

- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu/.
- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students that transfer with an AA degree and will be pursuing a BS degree must meet the university foreign language admission requirements for graduation.
- All applicants must complete a mandatory information session, online or in person, prior to submitting the application.

**The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program. Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with an advisor.**
Early acceptance may be offered to First-Time-in-College (FTIC) and Direct Connect students during their sophomore year and to students in the Military Enlisted Commissioning Program (MECP). For specific information about early acceptance, contact the College of Nursing or visit the website at [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu).

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida 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 an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college or other universities, and should be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for 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 College of Nursing. Petition forms are available in the College of Nursing office.

1. **UCF General Education Program**  
   **(36+1 hrs)**
   - A. Communication Foundations (SPC 1008 preferred)  
     - 9 hrs
   - B. Cultural Historical Foundations  
     - 9 hrs
   - 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:**  
     - 7 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 six credit hours for General Education Program. However the nursing program prerequisite requires four CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. **Common Program Prerequisites**  
   **(21 hrs)**
   - PSY 2012 General Psychology**  
     - GEP
   - SYG 2000 Sociology**  
     - 3 hrs
   - MCB 2004C Health Microbiology (S***) w/lab  
     - 4 hrs
   - CHM 1032/L General Chemistry and lab (S***)  
     - GEP
   - ZOO 3733C Human Anatomy* (S***) w/lab  
     - 4 hrs
   - PCB 3703C Human Physiology (S***) w/lab  
     - 4 hrs
   - STA 2014C Principles of Statistics**  
     - GEP
   - SOW 3104 Assessing Human Development  
     - 3 hrs
   - or DEP 2004 Developmental Psychology  
   - HUN 3011 Human Nutrition  
     - 3 hrs

   *May take Anatomy and Physiology sequence of six-eight total credits.

   **Also meets General Education Requirements. The first semester of a two semester general chemistry course does not meet requirement [i.e CHM 1045, 2045, Chemistry I]**.

   ***"S" indicates science prerequisite.

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. **Core Requirements**  
   **(65 hrs)**
   - NUR 3065 Health Assessment  
     - 2 hrs
   - NUR 3065L Health Assess Lab  
   - NUR 3825 Role of Professional Nurse  
     - 2 hrs
   - NUR 3022B Essentials of Nursing Practice  
     - 2 hrs
   - NUR 3755L Essentials of Nursing Practice Clinical  
     - 2 hrs
   - NUR 3028L Essentials of Nursing Practice Lab  
     - 1 hrs
   - NUR 3634 Community Health Nursing  
     - 3 hrs
   - NUR 3634L Community Health Nursing Clinical  
     - 2 hrs
   - NUR 3125 Pathophysiology for Nurses  
     - 3 hrs
   - NUR 3145 Pharmacology for Nurses  
     - 3 hrs
   - NUR 3225 Nursing Care of the Adult I  
     - 3 hrs
   - NUR 3225L Nursing Care of the Adult I Clinical  
     - 2 hrs
   - NUR 3445 Nursing Care of Families  
     - 3 hrs
   - NUR 3445L Nursing Care of Families Clinical  
     - 2 hrs
   - NUR 3165 Nursing Research  
     - 3 hrs
   - NUR XXXX Nursing Elective  
     - 3 hrs
   - NUR 4537 Health Care Issues, Policy, and Economics  
     - 3 hrs
   - NUR 4227 Nursing Care of the Adult II  
     - 4 hrs
   - NUR 4227L Nursing Care of the Adult II Clinical  
     - 3 hrs
   - NUR 4535 Psychiatric Mental Health Nursing  
     - 3 hrs
   - NUR 4535L Psychiatric Mental Health Nursing Clinical  
     - 2 hrs
   - NUR 4828 Leadership, Management and Role Transition  
     - 3 hrs
   - NUR 4257 Introduction to Critical Care Nursing  
     - 3 hrs
   - NUR 4637 Public Health Nursing  
     - 2 hrs
   - NUR 4637L Public Health Nursing Clinical  
     - 1 hr
   - NUR 4945L Nursing Practicum  
     - 4 hrs

   Any variation from the above must be approved by the College of Nursing.

4. **Upper Division Restricted Electives**  
   **(3 hrs)**

   Nursing Elective:  
   Any College of Nursing elective approved by advisor.

5. **Departmental Continuation and Exit Requirements**

   Completion of all courses in major with a grade of “C” (2.0) or better
   - UCF GPA of 2.5 or above
   - College of Nursing GPA of 2.5 or above.

6. **Electives**  
   **none**

7. **Foreign Language Requirements**  
   **(0-8 hrs)**

   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation:  
   **none**

8. **University Minimum Exit Requirements**

   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper-division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - 25% of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Total Semester Hours Required  
**122 hrs**

### Related Programs:  
Health Services Administration, Social Work, all health programs

### Related Minors:  
Aging Studies Certificate, Psychology, Health Sciences, Health Services Administration

### Transfer Notes:
- **Examples of Community College Equivalent Courses - Prerequisites**
- **General Psychology** (PSY X012) or any General Psychology course
- **General Sociology** (SYG 2000) or any Intro to Sociology course
- **General Chemistry** (CHM 1032) or any other comprehensive chemistry course w/lab)*
- **Human Anatomy and Physiology I & II** w/lab (BSC 2093/2094) or (BSC X085/X086)
- **General Microbiology** (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab
- **Developmental Psychology** (DEP 2004) or any Human Growth & Development Across Life Span course
- **Nutrition** with therapeutic nutrition focus

*The first semester of a two semester general chemistry course does not meet requirement [i.e CHM 1045, 2045, Chemistry I].

### Honors

- Honors Option Requires:
  - Completion of a three credit directed readings course
  - Completion of a three credit thesis course
  - Open to students with a minimum 3.5 GPA in Nursing
  - Minimum cumulative UCF 3.2 GPA
  - Completion of 60 semester hours of college credit, including 12 graded upper-division hours at UCF

Students that transfer with an AA degree and will be pursuing a BS degree must meet the university foreign language admission requirements for graduation.

### UCF Degree Programs

UCF Degree Programs
UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ........................................ $50 per term
- Part-time Student ........................................... $25 per term

Freshman Year
Fall 16 hrs
SYG 2000
ENC 1101
MAC 1105
BSC 2010C
PSY 2012
14 hrs
CHM 1023L
ENC 1102
STA 2014C or STA 2023
ZOO 3733C

Sophomore Year
Fall 16 hrs
POS 2041 or ECO 2013 or ECO 2023
3
EUH 2001 or HUM 2230 or AMH 2020 or WOH 2022
3
or AMH 2010 or WOH 2012
3
MCB 2004C
4
or PCB 3703C
4
(One Course)
3
or ARH 2050, ARH 2051, MUL 2010, THE 2000, REL 2300,
3
HUN 3011
3
PHI 2110, LIT 2120
3
Summer C/D 6-9 hrs
NUR 3165
3
NUR XXXX Elective
3
or NUR XXXX Elective
3
or HUM 2210
3
or MCB 2004C
4

Junior Year
Fall 15 hrs
NUR 3825
2
NUR 3165
3
NUR 3065
2
NUR 3145
3
NUR 3085L
1
NUR 3225
3
NUR 3028
2
NUR 3235L
2
NUR 3755L
1
NUR 3445
2
NUR 3028L
1
NUR 3455L
2
NUR 3634
3
NUR 3634L
2
NUR 4837
3
Spring 16 hrs
NUR 4227L
3
NUR 4227
4
NUR 4828
3
or NUR 4945L
4
NUR 4227L
3
or NUR 4945L
4
or NUR XXXX Elective
3
or NUR XXXX Elective
3
or EUH 2001 or
3
or AMH 2020 or WOH 2022
3
or AMH 2010 or WOH 2012
3
or PCB 3703C
4
(One Course)
3
or ARH 2050, ARH 2051, MUL 2010, THE 2000, REL 2300,
3
HUN 3011
3
PHI 2110, LIT 2120
3
Summer C/D
6-9 hrs
NUR 3165
3
NUR XXXX (elective) and/or
3
NUR 4837
3
Senior Year
Fall 12-15 hrs
NUR 4227L
3
NUR 4227
4
NUR 4637
2
NUR 4227L
3
NUR 4637L
3
NUR 4535
2
NUR 4828
3
NUR 4535L
2
NUR 4257
3
NUR 4837 or
3
NUR 4945L
4
or NUR XXXX Elective
3
or NUR XXXX Elective
3
Spring 13-16 hrs
NUR 4227L
3
NUR 4227
4
NUR 4828
3
or NUR 4945L
4
NUR 4227L
3
or NUR 4945L
4
or NUR XXXX Elective
3
or NUR XXXX Elective
3
or EUH 2001 or
3
or AMH 2020 or WOH 2022
3
or AMH 2010 or WOH 2012
3
or PCB 3703C
4
(One Course)
3
or ARH 2050, ARH 2051, MUL 2010, THE 2000, REL 2300,
3
HUN 3011
3
PHI 2110, LIT 2120
3
Summer C/D
6-9 hrs
NUR 3165
3
NUR XXXX (elective) and/or
3
NUR 4837
3

NURSING (B.S.N.)

B. RN TO BSN PROGRAM

(Completion program for individuals who are licensed RNs)

College of Nursing
HPA 220, 407-823-2744
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig; RN to BSN Coordinator: Barbara Lange

This program is available online. Students must complete all university-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.). Courses are available online and some courses may be offered face-to-face as well. For more information, see http://distributed.ucf.edu/home.

Admission Requirements
- Limited Access
- Acceptance to the university does not constitute admission to the upper-division nursing program.
- Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
  ■ Admission to UCF undergraduate program.
  ■ Graduation from an accredited associate degree program or diploma nursing program.
  ■ Current Licensure as an RN (or eligible).
  ■ Progress toward the UCF general education requirements, an AA degree from a Florida community college, or eligible for the Statewide Articulated AS-BSN Program (see AS to BS).
  ■ Completion of all sections of CLAST (or Exempt).
  ■ A minimum overall undergraduate GPA of 2.5.
  ■ Completion of program prerequisite courses with at least a grade of "C" (2.0) or better in each course.

Degree Requirements
- Students change degree programs and select this major must adopt the most current catalog.
- Students who consult with a college advisor or community college AA transfer advisor regarding completion of General Education Program requirements.
- Students who consult with an advisor in the College of Nursing, Undergraduate Student Services Office for clarification or questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College or other university.
- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 and 2 (General Education) and (Common Program Prerequisites) are completed in the first 60 hours.

1. UCF General Education Program (36+1 hrs)
   A. Communication Foundations: 9 hrs
   B. Cultural Historical Foundations: 9 hrs
   C. Mathematical Foundations: 6 hrs
   1. Select MAC 1105
   2. Select STA 2014C or STA 2023
   D. Social Foundations: 6 hrs
   1. Select SYG 2000 or SY 2012
   2. Select one: ECO 2013 or ECO 2023 or POS 2041
   E. Science Foundations:** 7 hrs
   1. Select BSC 2010C (4)
   2. Select BSC 2010C (4)
   3. Select CHM 1032 (3)
- **One of these courses is required to meet General Education requirements, but both are required nursing program prerequisites.
- **Science Foundation is 6 credit hours for General Education Program. However, the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (21 hrs)
   - PSY 2012 General Psychology** 3 hrs
   - SYG 2000 Sociology** 3 hrs
   - MCB 2004C Health Microbiology 4 hrs
   - CHM 1032 General Chemistry II 4 hrs
   - CHM 1032L General Chemistry Lab 3 hrs
   - ZOO 3733C Human Anatomy** 4 hrs
   - PCB 3703C Human Physiology 4 hrs
   - STA 2014C or STA 2023 Principles of Statistics** 3 hrs
   - SOV 3104 Assessing Human Development 3 hrs
   - or DEP 2004 Developmental Psychology 3 hrs
   - HUN 3011 Human Nutrition 3 hrs
- *May take Anatomy and Physiology sequence of six-eight total credits.
- **Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements (24 hrs)
   - NUR 3865 Dimensions of Professional Nursing Practice 3 hrs
   - NUR 3065 Health Assessment 2 hrs
   - NUR 3065L Health Assessment Lab 1 hr
   - NUR 3165N Nursing Research 3 hrs
   - NUR 3634 Community Health Nursing 3 hrs
   - NUR 4828 Leadership, Management and Role Transition 3 hrs
   - NUR 4837 Health Care Issues, Policy & Econ 3 hrs
   - NUR 4637 Public Health Nursing 2 hrs
   - NUR 4604L Practicum in Community and Public Health 4 hrs
   - Nursing for RNs

Upper Division Credit** 27 hrs
   - NUR 3028 Essentials of Nursing Practice 2 hrs
   - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
   - NUR 3028L Essentials of Nursing Practice Lab 1 hrs
   - NUR 3225N Nursing Care of the Adult I 3 hrs
   - NUR 3225L Nursing Care of the Adult I Clinical 2 hrs
   - NUR 3445 Nursing Care of Families 3 hrs
   - NUR 3445L Nursing Care of Families Clinical 2 hrs
   - NUR 4227N Nursing Care of the Adult II 4 hrs
   - NUR 4227L Nursing Care of the Adult II Clinical 3 hrs
   - NUR 4535 Psychiatric Mental Health Nursing 3 hrs
   - NUR 4535L Psychiatric Mental Health Nursing Clinical 2 hrs

*May be met by Validation
4. Upper Division Restricted Elective (6 hrs)
   NUR XXXX Any two upper division nursing electives 6 hrs

5. Departmental Exit Requirements
   Completion of all courses in major with a grade of “C” (2.0) or better
   ▪ Overall cumulative GPA of 2.5 or above
   ▪ College of Nursing GPA of 2.5 or above

6. Electives variable to meet degree requirements

7. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or
   one year of one foreign language in college (or equivalent profiency
   exam) prior to graduation.

   Graduation: none

8. University Minimum Exit Requirements
   ▪ A 2.0 UCF GPA
   ▪ 60 semester hours earned after CLEP awarded
   ▪ 48 semester hours of upper division credit completed
   ▪ 30 of the last 36 hours of course work must be completed in
     residency at UCF
   ▪ A maximum of 45 hours of extension, correspondence, CLEP, Credit
     by Exam, and Armed Forces credits permitted
   ▪ Complete the General Education Program, the Gordon Rule, the
     CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Health Services Administration, Social Work, All health programs
Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

Program Academic Learning Compacts
   ▪ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
     http://www.cas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
   ▪ Full-time Student ........................................... $50 per term
   ▪ Part-time Student ............................................ $25 per term

Sample Plan of Study (assuming general education, foreign language, and
nursing pre-requisites are complete)

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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<tr>
<td>NUR3805 3</td>
<td>NUR 3155 3</td>
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<td>NUR 3634 Community Health 3</td>
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<td>NUR 3055L 1</td>
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<tr>
<td>NUR 4837 3</td>
<td>NUR 4828 Leadership 3</td>
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<tr>
<td>NUR XXXX (Nursing Elective 1) 3</td>
<td>NUR 4637 Public Health 2</td>
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</tbody>
</table>

Semester IV

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<tr>
<th>Semester V</th>
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</thead>
<tbody>
<tr>
<td>NUR 4XXX (Nursing Elective 2) 3</td>
</tr>
<tr>
<td>NUR 4604L Practicum 4</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 3805 and Statistics course with grade of “C” (2.0) or better.
Prior to NUR 3634 Community Health Nursing
   ▪ Admission to the nursing program
   ▪ Complete general education requirements and prerequisites or
     AA from a Florida public community college or state university
     system (SUS)
   ▪ Complete CLAST (or exempt)
   ▪ Complete foreign language admission requirement

Other
   Selected courses may be offered at regional campuses of Daytona,
   Cocoa, Leesburg, and Ocala.

The RN to BSN coursework is offered online. Some on-campus labs
and clinical practice may be required. For more information visit

NURSING ACCELERATED SECOND DEGREE
C. BACHELOR OF SCIENCE IN NURSING (B.S.N.) OPTION
   Note: For detailed information about this program, see the
description in the “Accelerated Undergraduate-Graduate
Programs” section.

NURSING (B.S.N.)

D. RN TO MSN OPTION
   Note: For detailed information about this program, see the
description in the “Accelerated Undergraduate-Graduate
Programs” section.

NURSING (B.S.N.)

E. AS TO BSN TRACK
   Note: For detailed information about this program, see the
description in the “Accelerated Undergraduate-Graduate
Programs” section.

NURSING (B.S.N.)

F. SCC/UCF ASN to BSN enrollment option

College of Nursing
HPA 220, 407-823-2744
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu
SCC/UCF Concurrent Track Coordinator: Susan Ricci

Program Description
A partnership between Seminole Community College (SCC) and
UCF College of Nursing to allow qualified Associate of Science in
Nursing (ASN) students to enter the RN to BSN program while com-
pleting the ASN at SCC. This program allows simultaneous enroll-
ment in both associate and baccalaureate nursing programs.

Admission Requirements
Acceptance to the university does not constitute admission to this
program. Only students admitted to the Seminole Community
College Nursing Program and UCF are invited to apply to this
SCC/UCF enrollment option. Upon invitation, students must make
separate application to the UCF College of Nursing. Students are
accepted into this program during their first year of nursing at SCC
and must progress according to a designated plan of study.

At the time of application, students must have:
   ▪ A cumulative GPA of 3.0 or above.
   ▪ Been accepted for enrollment and in good standing at SCC ASN
     program.
   ▪ An AA degree from a Florida community college or have met
     ALL UCF General Education requirements at time of application.
   ▪ Met UCF Foreign Language admission requirement.
   ▪ Completed pre-requisite coursework for both the UCF and the
     SCC nursing programs - at time of application.
   ▪ Completed all sections of CLAST (or exempt).

Students not yet admitted to UCF must make application and be
accepted by the university. Upon completion of the ASN and suc-
cessful licensure as a Registered Nurse, students will enroll in
remaining UCF nursing upper-division courses to complete the BSN.

Degree Requirements
   ▪ Students who change degree programs and select this major
     must adopt the most current catalog.
   ▪ Students should consult with a college advisor or community
     college A.A. transfer advisor regarding completion of General
     Education Program requirements.
   ▪ Students should consult with an advisor in the College of
     Nursing Undergraduate Student Services Office for clarification
     of questions regarding prerequisite requirements.
   ▪ The courses designated in sections 1 and 2 below may be taken
     at a Florida community college or other university.
   ▪ A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the
     nursing major are required for continuation in and graduation
     from the nursing program.
   ▪ UCF Residency Requirement: 30 hours.
UCF Degree Programs

The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (36+1 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural Historical Foundations 9 hrs
   C. Mathematical Foundations 6 hrs
   1. MAC 1105 (preferred)
   2. Select STA 2014C or STA 2023 6 hrs
   D. Social Foundations 6 hrs
   Select SYG 2000 or PSY 2012
   *Select one: ECO 2013 or ECO 2023 or POS 2041
   E. Science Foundations: 7 hrs
   Select BSC 2010C (4)
   Select CHM 1032 (3)
   *One of these courses is required to meet General Education requirements, but both are required program prerequisites.
   **Science Foundation is six credit hours for General Education Program. However the nursing program prerequisite requires four CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (21 hrs)
   PSY 2012 General Psychology**
   SYG 2000 Sociology** 3 hrs
   MCB 2004C Health Microbiology 4 hrs
   CHM 1032/L General Chemistry**
   CHM 1032L General Chemistry Lab
   ZOO 3733C Human Anatomy** 4 hrs
   PCB 3703C Human Physiology 4 hrs
   STA 2014C or STA 2023 Principles of Statistics** 3 hrs
   SOW 2104 Assessing Human Development or
   or DEP 2004 Developmental Psychology
   HUN 3011 Human Nutrition 3 hrs
   *May take Anatomy and Physiology sequence of six-eight total credits.
   **Also meets General Education Requirements;
   Applicants should see a UCF Nursing Advisor for possible course substitutions.
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core UCF Requirements (25 hrs)
   NUR 3806 Professional Socialization in Nursing 1 hr
   NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
   NUR 3065 Health Assessment 2 hrs
   NUR 3065L Health Assessment Lab 1 hr
   NUR 3165 Nursing Research 3 hrs
   NUR 3634 Community Health Nursing 3 hrs
   NUR 4838 Leadership, Management and Role Transition 3 hrs
   NUR 4837 Health Care Issues, Policy, & Economics 3 hrs
   NUR 4637 Public Health Nursing 2 hrs
   NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs

   Upper Division Credit* (27 hrs)
   NUR 3028 Essentials of Nursing Practice 2 hrs
   NUR 3028L Essentials of Nursing Practice Lab 1 hr
   NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
   NUR 3225 Nursing Care of the Adult I 3 hrs
   NUR 3225L Nursing Care of the Adult I Clinical 2 hrs
   NUR 3445 Nursing Care of Families 3 hrs
   NUR 3445L Nursing Care of Families Clinical 2 hrs
   NUR 4227 Nursing Care of the Adult II 4 hrs
   NUR 4227L Nursing Care of the Adult II Clinical 3 hrs
   NUR 4535 Psychiatric Mental Health Nursing 3 hrs
   NUR 4535L Psychiatric Mental Health Nursing Clinical 2 hrs
   *May be met by validation

4. Upper Division Restricted Elective (6 hrs)
   NUR XXXX Any two upper division nursing electives 6 hrs

5. Departmental Exit Requirements
   Completion of all courses in major with a grade of "C" (2.0) or better
   ■ Overall Cumulative GPA of 2.5 or above
   ■ College of Nursing GPA of 2.5 or above

6. Electives (variable to meet degree requirements)

7. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: none

8. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 36 hours of course work must be completed in 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

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
■ Full-time Student ........................................ $50 per term
■ Part-time Student ......................................... $25 per term

Sample Plan of Study (Junior Year UCF)
While Enrolled in SCC Associate of Science in Nursing Program

Semester I
NUR 3806 3
NUR 3065 3
NUR 3065L 1
NUR 3165 3
NUR 3634 3
NUR 4837 3

Semester II
NUR 3806 3
NUR 3065 3
NUR 3065L 2
NUR 3165 3
NUR 3634 3
NUR 4805 3

Semester III
NUR 3806 3
NUR 3065 3
NUR 3634 3
NUR 4837 3

Semester IV
NUR 4837 3

Semester V
NUR XXXX (Nursing Elective 1) 3

Semester VI
NUR XXXX (Nursing Elective 2) 3
NUR 4838 3
NUR 4637 3

Semester VII
NUR 4828 Leadership 3
NUR 4604L Practicum 4

ORGANIZATIONAL COMMUNICATION (B.A.)
See Interpersonal/Organizational Communication

PHILOSOPHY (B.A.)
College of Arts and Humanities
PSY 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@ucf.edu
Contact: Don Jones or Jennifer Mundale, 407-823-2273;
Fax: 407-823-6658

Admission Requirements

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must earn at least a "C" (2.0) in each required course
■ Co-op or internship credit cannot be used in this major without prior departmental approval
■ Students should consult with a departmental advisor
■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations
Select HUM 2210 Humanistic Traditions I 3 hrs
Select HUM 2230 Humanistic Traditions II 3 hrs
Select PHI 2101 Intro to Philosophy 3 hrs

C. Mathematical Foundations
Prefer MGF 1106 Finite Mathematics or MGF 1107 3 hrs
(may substitute a higher level math)
Prefer STA 1060C Statistics Using Excel 3 hrs

D. Social Foundations
6 hrs

E. Science Foundations
6 hrs

2. Common Program Prerequisites
none

3. Core requirements*
(36 hrs)

A. Core
HUM 2210 Humanistic Traditions I GEP
HUM 2230 Humanistic Traditions II GEP
PHI 2101 Intro to Philosophy GEP
PHI 3083 Research Methods (3 hrs)
To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.
PHI 4938 Senior Research Seminar (3 hrs)

B. Reasoning
(6 hrs)
Take any two of the following courses:
PHI 2011 Philosophical Reasoning
PHI 2101 Critical Thinking
PHI 2108 Formal Logic I
PHI 2647 Logic and Ethics
PHI 3131 Formal Logic II

C. History of Philosophy
(9 hrs)
Take two of the following courses:
PHI 3100 Ancient Philosophy
PHI 3200 Medieval Philosophy
PHI 3480 Modern Western Philosophy
Take one of the following courses:
PHI 3600 Contemporary Philosophy
PHI 3510 Marx and Nietzsche
PHI 3700 American Philosophy
PHI 3709 African Philosophy

D. Values and Society
(6 hrs)
Take any two of the following courses:
PHI 3670 Ethical Theory
PHI 3626 Advanced Ethics in Science and Technology
PHM 3401 Philosophy of Law
PHI 3800 Aesthetics
PHM 3123 Feminist Theories
PHI 3683 Ethical Issues in the 21st Century
PHI 3625 Virtual Ethics
PHI 4533 Ethics and Biological Science
PHM 3100 Freedom and Justice
PHI 3640 Environmental Ethics
PHM 4031 Environmental Philosophy
PHI 3701 Native American Philosophy
PHI 3805 Contemporary Aesthetics

E. Being and Knowing
(6 hrs)
Take any two of the following courses:
PHI 4500 Metaphysics
PHI 4341 Ways of Knowing
PHI 4300 Theories of Knowledge
PHI 3700 Philosophy of Religion
PHI 4400 Philosophy of Science
PHI 3320 Philosophy of Mind
PHI 3451 Philosophy of Psychology
PHI 4420 Philosophy of Social Science
PHI 3323 Minds and Machines
PHM 4762 Phenomenology
PHI 4221 Philosophy of Language

F. Topics in Philosophy
(3 hrs)
Take one of the following courses:
PHI 4931 Philosophy in the News
PHI 3683 Philosophy of Friendship
PHI 4321 Philosophies of Embodiment
PHI 3648 Ethical Issues of the Human Genome Project
PHI 3022 Sexuality, Gender and Philosophy
PHI 3033 Philosophy, Religion and the Environment
PHI 4804 Critical Theory
PHM 3763 Modernity as a Philosophical Problem
PHI 3750 Problem of Evil
PHI 3720 Faith and Reason
PHI 3803 Philosophy and Creativity
PHI 3941 Philosophy Practicum
REL 3111 Religion and Philosophy through Film
PHP 3786 Existentialism

HUM 4330 Performance Theory
PHI 4935 Topics in Philosophy of Mind
*Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.

4. Upper Division Restricted Electives
(6 hrs)
Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

5. Departmental Exit Requirements
(3 hrs)
Either PHI 4970H: Honors Thesis (3 hrs) or PHI 4938 Senior Research Seminar.
Earn a “C” (2.0) or better in each required course.
Computer Competency met by PHI 4970H, PHI 4938, or by STA 1060C.
Departmental Exit Exam in final semester.
To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

6. Foreign Language Requirements
(0-8 hrs)
Admission: Met by graduation requirement.
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

7. Electives
(variable - to reach 120)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department.

8. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 36 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required
(120 hrs)
Related Programs: Humanities, Humanities - Philosophy, Religion, Pop Culture Track, Religious Studies
Related Minors: Cognitive Sciences, Environmental Studies, Humanities, Philosophy, Religious Studies, Women’s Studies
Transfer Notes:
Courses taken at community colleges do not substitute for Upper Division courses
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Honors in the Major:
Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:
Core requirements:
(36 hrs)
Same requirements as for regular majors, but must include PHI 2101 Formal Logic I

Upper Division Restricted Electives
(6 hrs)
Same requirements as for regular majors.
Honors Thesis
PHI 4903H Honors Directed Reading 3 hrs
PHI 4970H Honors Thesis 3 hrs

Additional Requirements:
Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College
Fulfill University requirements for Honors in the Major
Earn a “B” (3.0) or better in both PHI 4903H and PHI 4970H
Maintain UCF GPA of at least 3.2 and a Philosophy GPA of at least 3.5
Successful completion and oral defense of Honors Thesis
# UCF Degree Programs

## Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oceas.ucf.edu/aac/academic_learning_compacts.htm](http://www.oceas.ucf.edu/aac/academic_learning_compacts.htm)

## Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. (i.e. "req#1 C1-GEP" indicates a requirement from section 1 "UCF General Education Program," section C Mathematical Foundation #). Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year
- **Fall**
  - ENC 1101 Composition I
  - HUM 2210 Hum Tradition I
  - MGF 1106 reqI 1C1-GEP
  - PHI 2010 Intro to Phil
  - SPN 1120C req# Lang/Elect
- **Spring**
  - ENC 1102 Composition II
  - HUM 2230 Hum Tradition II
  - STA 100C req# 1G2-GEP
  - PHI 2101 req# 3b-Found#Reasoning
  - SPN 1121C req# Lang/Elect

### Sophomore Year
- **Fall**
  - BSC 105* reqI 1E-GEP
  - PSY 2012* reqI 1D-GEP
  - SPC 106* reqI 1A3-GEP
  - PHI 2108 Reasoning
  - PHH 2100* req# 3c-History
- **Spring**
  - CHM 1020* req# 1E1-GEP
  - ENS 1101 Composition I
  - ENS 1102 Composition II
  - PHI 3083 Res Meth in Phil
  - PHH 3600* req# 3c-History

### Junior Year
- **Fall**
  - PH 3033 Res Meth in Phil
  - PHH 3600* req# 3c-History
  - PHH 3460* req# 3d-History
  - Elective Check restrictions
  - Elective Check restrictions
- **Spring**
  - PH 4038 Seminar
  - Elective Check restrictions
  - Elective Check restrictions
  - Elective Check restrictions
  - Elective Check restrictions

### Senior Year
- **Fall**
  - PH 3786* req# 4-ResEle
  - PHI 4804* req#4-ResEle
  - PHI 4903 Portfolio Workshop
  - Elective Check restrictions
  - Elective Check restrictions
- **Spring**
  - PHI 4038 Seminar
  - Elective or PHI 4903
  - Elective Check restrictions
  - Elective Check restrictions
  - Elective Check restrictions

## PHOTOGRAPHY (B.S.)

### College of Arts and Humanities
- **Advisor:** Jason Burrell (UCF-Daytona), 386-506-3944
- The Photography B.S. program is a joint program between the University of Central Florida and Daytona State College.

- **This program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the Orlando campus as part of the Art-Studio B.A. and Art-B.F.A. programs.**

- The Art Department affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

### Admission Requirements
- Completion of an A.S. in Photographic Technology from Daytona State College or equivalent coursework.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.
- Upper-division electives, internship credit, and course substitutions must be approved by the program director.
- Students must earn at least a "C" in each required upper level course and maintain an overall GPA of at least 2.0

### 1. UCF General Education Program (36 hrs)
Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF.

The specific courses will depend on the general education courses completed as part of the articulated A.S., and will come from the following areas:

- **A. Communication Foundations**
  - ENC 1101 Composition I
  - ENC 1102 Composition II
  - SPC 2600* Speech

- **B. Cultural and Historical Foundations**
  - ARH 2051 History and Criticism of Art II

- **C. Mathematical Foundations**
  - MAC 1105 College Algebra or
  - MGF 2106 College Mathematics or
  - MGF 2107 Mathematics for Liberal Arts

- **D. Social Foundations**
  - Political Science or Economics
  - Psychology or Sociology

- **E. Science Foundation**
  - Physical Science
  - Life Science

### 2. Common Program Prerequisites (0 hrs)
- **(Included in A.S. or B.S. requirements.)**
- Subject to change. Prerequisites have not been set by the state.
- ARH 2051 History and Criticism of Art II
- PGY 1402 Fundamentals of Photography
- PGY 3610C Photoperspective

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

### 3. AS Required Courses: (49 hrs)
- (Completed in the A.S. degree program in Photographic Technology or equivalent coursework)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHG 1402</td>
<td>Fundamentals of Photography</td>
</tr>
<tr>
<td>PHG 1407</td>
<td>Digital Imaging</td>
</tr>
<tr>
<td>PHG 2009</td>
<td>History and Aesthetics of Photography</td>
</tr>
<tr>
<td>PHG 2107</td>
<td>Large Format Photography</td>
</tr>
<tr>
<td>PHG 2215</td>
<td>Professional Studio Portraiture</td>
</tr>
<tr>
<td>PHG 2216</td>
<td>Location Photography</td>
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<tr>
<td>PHG 2300</td>
<td>Field Survey of Professional Workshop</td>
</tr>
<tr>
<td>PHG 2470</td>
<td>Advanced Photography Workshop</td>
</tr>
<tr>
<td>PHG 2935</td>
<td>Photoperspective Workshop</td>
</tr>
<tr>
<td>PHG 2950</td>
<td>Photoperspective Internship</td>
</tr>
</tbody>
</table>

### 4. Upper Division Required Courses (39 hrs)
- **PGY 3002** Contemporary Photography
- **PGY 3003** History of Photography I
- **PGY 4003** Image, Culture, and Society
- **CRW 3011** Creative Writing for Non-Majors

### 5. Upper Division Restricted Electives (3 hrs)
Select one of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 3451C</td>
<td>Alternative Processes</td>
</tr>
<tr>
<td>PGY 3809C</td>
<td>Photoperspective and Web Design</td>
</tr>
<tr>
<td>PGY 3751C</td>
<td>Videography</td>
</tr>
<tr>
<td>PGY 4493C</td>
<td>Photoperspective and Art</td>
</tr>
</tbody>
</table>

### 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.

### 7. University Minimum Exit Requirements
- **A 2.0 UCF GPA**
- **60 semester hours earned after any CLEP award**
- **42 semester hours of upper division credit completed.**
- **30 of the last 36 hours of course work must be completed in residency at UCF**
- **A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted.**

- **Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)**

### Total Semester Hours Required 127 hrs
Community College Transfer Notes
- Students transferring from any Florida public institution with an A.A. degree or with the general education program (GEP) requirements of that institution must have thereby satisfied UCF GEP requirements.
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable substitutes for General Education and Common Program Prerequisites
- ARH1000* May substitute ARH 2500 or ARH 2050
- GRA 1741* May substitute GRA 2111C
- GRA 1800* May substitute GRA 2140C

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/aic/academic_learning_compacts.htm

PHYSICS (B.S.)
College of Sciences
Physics Department, MAP 310, 407-823-2325
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Chair: Talat S. Rahman, 407-823-2325

Physics majors can select from five distinct tracks to earn their physics degree, as described below in Section 4, Specialization. While the various tracks share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

Admission Requirements: none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
- AA transfer students are expected to have completed the following courses before enrolling as a Physics major; CHM 2045C, CHM 2046&L, MAC 2311, MAC 2312, MAC 2313, PHY 2048 &L, and PHY 2049&L. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- Physics majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two-semester sequence has already been taken at the community college.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36+2 hrs)
(Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.)

A. Communication Foundations
1. Select ENC 1101 and ENC 1102
2. Prefer SPC 1603
1-2. 6 hrs

B. Cultural and Historical Foundations
9 hrs

C. Mathematical Foundations
1. Select MAC 2311
2. Prefer COP 3223
4 hrs

D. Social Foundations
6 hrs

E. Science Foundations
1. Select PHY 2048 & L (PR:MAC 2311)
2. Select a listed course
4 hrs

2. Common Program Prerequisites (20 hrs)

CHM 2045C* Chem Fund I
CHM 2046&L Chem Fund II & lab
MAC 2311 Calculus with Analy Geo I

3. Core requirements (all tracks) (36 hrs)

MAP 2302 Differential Equations
PHY 3101 Physics Engr & Sci I
PHY 3113 Intro to Theoretical Meth of Phys
PHY 3220 Mechanics I
PHY 3513 Thermal and Statistical Physics
PHY 3323 Electricity and Magnetism I
PHY 4224 Electricity and Magnetism II
PHY 4604 Wave Mechanics I
PHY 4605 Wave Mechanics II
PHY 4912 Directed Independent Research

4. Specialization: select one specialization

4.1 General Physics Specialization (18 hrs)

PHY 4803L Advanced Physics Lab
Upper Division Restricted Electives
PHY, PHZ, or AST courses

Directed Electives
Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2 Materials Physics Specialization (18 hrs)

Choose one lab from:

PHY 4803L Advanced Physics Lab
EVE 5356C Fabrication of Solid State Devices

Choose nine hours from:

EVE 3350 Semiconductor Devices
EGN 3365 Struc and Properties of Materials
EMA 4413 Electronic Properties of Materials
CHM 3411L Physical Chemistry Laboratory
PHZ 5405 Condensed Matter Physics
EVE 3552 Semiconductor Mat & Device Char

Directed Electives
Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.3 Optics and Lasers Specialization (18 hrs)

PHY 4424 Optics

Choose six hours from:

EEL 4440 Optical Engineering
PHY 4445 Lasers
OSE 5206 Fundamentals of Applied Optics
OSE 5312 Fundamentals of Optical Science
OSE 5414 Fund. of Optoelectronic Devices

Directed Electives
Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.4 Computational Physics Specialization (19 hrs)

PHZ 3151 Computer Methods in Physics
COP 302CC Computer Science I
COP 303GC Computer Science II
COT 4500 Numerical Calculus

Directed Electives
Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.5 Astronomy Specialization (18 hrs)

AST 3110 Solar System Astronomy
AST 3211 Stellar Astrophysics
AST 3402 Galaxies and Cosmology

Choose two of the following:

AST 3110 Solar System Astronomy
AST 3211 Stellar Astrophysics
AST 3402 Galaxies and Cosmology

Directed Electives
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.
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements
(0-8 hrs)
Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Graduation:
- none

7. Electives
(variable)
Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Semester Hours Required
120 hrs

Related Programs:
- Engineering, Mathematics
- Transfer Notes:
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes:
for common program prerequisites if taken prior to transferring to UCF:
- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oenas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ......................... $24.80 per term
- Part-time Student ......................... $12.40 per term

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer
Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year

Fall
- ANT 2000* req# 1D2-GEP
- ENC 1101 Composition I
- MAC 2311 Calc Anal Geo I
- CHM 2045 Chem Fund I

Spring
- ENC 1102 Composition II
- PHY 2048 Phy for Eng Sci I
- CHM 2046 Chem Fund II
- MAC 2312 Calc Anal Geo II

Sophomore Year

Fall
- COP 3223 Intro to Prog C
- HUM 2210* req# 1B1-GEP
- SPC 1603 Fund Tech Prec
- MAC 2313 Calc Anal Geo III
- PHY 2040 Phy for Eng Sci II

Spring
- MUL 2010* req# 1B2-GEP
- MAP 2302 Diff Equations
- PHY 3010 Phy for Eng Sci II
- PHY 2048L Phy L Eng Sci II

Junior Year

Fall
- PHY 3802L Int. Phy Lab
- PHY 3752C req#3-core
- PHY 3323 Elect Mag I
- PHY 3513 Thermal Phys
- COP 3502C req# 4-Spec

Spring
- POS 2041* req# 1D1-GEP
- PHY 3220 Mechanics
- PHY 4324 Elect Mag II
- PHZ 3151 req#4-spec
- COP 3503C req# 4-Spec

Senior Year

Fall
- PHY 4604 Intro to Quantum Mech I
- PHY 4912 Ind Research
- COT 4500* req# 4-Spec
- PHY 3722C Physics L Elect

Spring
- BSC 1005* req# 1E2-GEP
- PHY 4424* req# 4-Spec
- PHY 4605 Intro to Quantum Mech III

Political Science Department
College of Sciences
Political Science Department, PH 302, 407-823-2608
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Chair: R. Handberg, 407-823-2608

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Double major/dual degree policy in Political Science programs and minors.
  1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses, except POS 2041 and POS 3703, toward both programs.
  2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except POS 2041.
  3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
  4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled courses taken from the UCF Department of Political Science.

1. UCF General Education Program
(36 hrs)
- A. Communication Foundations
  1. Select ENC 1101 & ENC 1102
  2. Prefer SPC 1608
- B. Cultural and Historical Foundations
  1. Prefer AMH 2010
  2. Select from GEP B.2 list
  3. Prefer AMH 2020
- C. Mathematical Foundations
  1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math)
  2. Prefer STA 2014C or STA 1060C
- D. Social Foundations
  1. Select POS 2041
  2. Select from GEP D.2 list
- E. Science Foundations
  1. Mathematical Foundations
  2. Physical Foundations

2. Common Program Prerequisites
(3 hrs)
- POS 2041* American National Government
- POS XXXX* Any other POS XXXX course
- *See Transfer Notes for possible substitutes
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core
(0 hrs)
- POS 2041
- POS 3703

Undergraduate Catalog
2009-2010
4. Upper Division Restricted Electives (30 hrs)

Choose one of the following emphases:

**Track 1: American Politics and Policy**
- Five courses from area A: 15 hrs
- Two courses from area B: 6 hrs
- Two courses from area C: 6 hrs
- One additional course from any area: 3 hrs

**Track 2: International Relations-Comparative Politics**
- Two courses from area A: 6 hrs
- *Five courses from area B: 15 hrs
- Two courses from area C: 6 hrs
- One additional course from any area: 3 hrs

*No more than two of the following courses may be considered part of area B credit: INR 4401, INR 4402, INR 4404.

**Track 3: Prelaw**
Please see Political Science - Prelaw for the emphasis requirements.

**Track 4: International Studies**
Please see Political Science - International Studies for the emphasis requirements.

### AREAS OF SPECIALIZATION

#### A. American Politics and Policy
- POS 3122 State Government & Public Policy
- POS 3173 Southern Politics
- POS 3182 Florida Politics
- POS 3233 Public Opinion
- POS 3235 Mass Media and Politics
- POS 3258 Politics in Film
- POS 3273 Voting and Elections
- POS 3413 The American Presidency
- POS 3424 Congress and the Legislative Process
- POS 3443 Political Parties and Processes
- POS 3463 Interest Groups
- POS 3627 Cultural Pluralism and the Law
- POS 4074 Latino Politics
- POS 4142 Metropolitan Politics
- POS 4204 Political Behavior
- POS 4246 Political Socialization
- POS 4284 Judicial Process and Politics
- POS 4412 Presidential Campaigning
- POS 4603 American Constitutional Law I
- POS 4604 American Constitutional Law II
- POS 4622 Politics and Civil Rights
- POS 4742 Geographic Information Systems for the Political Scientist
- PUP 4204 Sustainability
- PUP 4303 Environmental Policy
- PUP 4334 Minorities in American Politics
- PUP 4325 Women and Public Policy
- PUP 4403 American Public Policy
- PUP 4404 Sustainability
- PUP 4323 Women and Public Policy
- PUP 4742 GIS for the Political Scientist
- PUP 4404 Education and Politics
- PUP 4503 Government and Science
- PUP 4602 Politics of Health
- PUP 4744 Government and Business
- PUP 4931 Topics in Public Policy

#### B. International Relations and Comparative Government
- CPO 3034 Politics of Developing Areas
- CPO 3103 Comparative Politics
- CPO 3104 Politics of Western Europe
- CPO 3132 Canadian Studies
- CPO 3403 Politics of the Middle East
- CPO 3614 Politics of Eastern Europe
- CPO 4047 Politics of the NAFTA Region
- CPO 4062 Comparative Judicial Processes
- CPO 4074 Political Economy
- CPO 4101 Politics of the European Union
- CPO 4123 Government and Politics of Great Britain
- CPO 4303 Comparative Latin American Politics
- CPO 4445 Comparative Political Parties
- CPO 4553 Politics of Japan
- CPO 4643 Government and Politics of Russia
- CPO 4710 Women in Comparative Perspective
- CPO 4754 Comparative Political Institutions
- CPO 4794 Politics from area C
- GEO 3471 World Political Geography
- IDS 4315 Global Perspectives
- INR 2002 International Relations-Theory & Practice
- INR 3194 Global Political Issues
- INR 3250 Politics of Pan-Africanism
- INR 3253 International Politics of Africa
- INR 4011 Politics of Globalization
- INR 4030 Diplomacy
- INR 4035 International Political Economy
- INR 4054 Global Politics of Energy
- INR 4060 Causes of War
- INR 4064 Changing Nature of War
- INR 4074 Immigration Policy
- INR 4075 Human Rights Policy
- INR 4076 Global Drug Policy
- INR 4085 Women, Gender, and Globalization
- INR 4102 American Foreign Policy
- INR 4104 Topics and Cases in American Foreign Policy
- INR 4114 American Security Policy
- INR 4115 Strategic Weapons and Arms Control
- INR 4224 Contemporary International Politics of Asia
- INR 4225 The Vietnam War
- INR 4243 International Politics of Latin America
- INR 4350 Global Environmental Politics
- INR 4364 The Intelligence Community
- INR 4381 Issues in International Public Policy
- INR 4385 Coercion in International Politics
- INR 4401 International Law I
- INR 4402 International Law II
- INR 4404 Space Law
- INR 4502 International Organizations
- INR 4714 Politics of International Trade Policy
- POS 3253 Contemporary Revolution & Political Violence
- PUP 3958 Space Studies
- PUP 3014 Comparative Public Policy
- INR 4351 International Environmental Law
- PUP 4510 Space Policy
- INR 4603 International Relations Theory
- POS 4206 Political Psychology
- POT 3204 American Political Thought
- POT 3302 Modern Political Ideologies
- POT 4003 Political Theory
- POT 4025 Ancient, Medieval and Early Modern Political Philosophy
- POT 4054 Modern Political Philosophy
- POT 4068 Contemporary Political Theory
- POT 4109 Politics and Literature
- POT 4345 Pan-Africanist Thought
- POT 4306 The State, Society, and The Individual
- POT 4314 Contemporary Democratic Theory
- POT 4331 Utopia/Dystopia
- POT 4414 Marxist Political Theory
- POT 4632 Religion and Politics

5. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major
- Computer Competency met by POS 3703
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)
Admission: Met by graduation requirement
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

7. Electives (variable)
Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

**Internship Program: Political Science**
For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of coursework must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
# UCF Degree Programs

### Total Semester Hours Required

120 hrs

### Related Programs

- Economics, History
- Philosophy

### Related Minors

- Economics, History, Psychology, Sociology, Philosophy

### Transfer Notes:

- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes

For common program prerequisites if take prior to transferring to UCF:

- POS 2041* and POS XXXX*: any six hours of introductory Political Science classes. Since POS 2041 and POS 3703 satisfy the CPP as well as the major’s core requirements, students are advised to select POS 2041 and POS 3703 to satisfy the CPP.

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fee

- Full-time Student............................. $10 per term
- Part-time Student............................. $5 per term

### Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by 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>ENC 1101 Composition I</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>MGF 110x req# 1CL-GEPE</td>
<td>REL 2300 req# 183-GEPE</td>
</tr>
<tr>
<td>POS 2041 Amer National Gvt</td>
<td>SPC 1608 req# 1A3-GEPE</td>
</tr>
<tr>
<td>PSY 2012* req# 1D2-GEPE</td>
<td>STA 204C Prin of Statistics</td>
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#### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
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</thead>
<tbody>
<tr>
<td>BSC 1005* req# 1E2-GEPE</td>
<td>PSC 1121* req# 1E1-GEPE</td>
</tr>
<tr>
<td>POS 4284* req# 4A-ResElec</td>
<td>POS 3703 Meth of Pol Sci</td>
</tr>
<tr>
<td>CPO 3103* req# 4B-ResElec</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>SPN 1120C* req# Lang/Elect</td>
</tr>
<tr>
<td>POS 2041* req# 4D1-GEPE</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>POS 3233* req# 4A-ResElec</td>
<td>POS 4604* req# 4A-ResElec</td>
</tr>
<tr>
<td>POS 3424* req# 4A-ResElec</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>POS 4603* req# 4A-ResElec</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
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<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
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</tbody>
</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>POT 3204* req# 4C-ResElec</td>
<td>POS 3172* req# A B C</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
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<td>Elective* Check restrictions</td>
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<td>Elective* Check restrictions</td>
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<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
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### POLITICAL SCIENCE - PRELAW TRACK (B.A.)

#### College of Sciences

Political Science Department, PH 302, 407-823-2608

[http://www.cos.ucf.edu/politicalscience](http://www.cos.ucf.edu/politicalscience)

E-mail: politics@ucf.edu

Contact: R. Handberg, 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major.

Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entrance and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department's prelaw advisors or the College of Arts and Sciences Prelaw Advisor.

The following represent a suggested curriculum which both meets the requirements for a Political Science Degree while preparing you for professional school.

### Admission Requirements

None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Double major/dual degree policy in Political Science programs and minors

1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses, except POS 2041 and POS 3703, toward both programs.
2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
3. Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
4. 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
  - 1. Select ENC 1101, ENC 1102 6 hrs
  - 2. Select SPC 1608 3 hrs
- Cultural and Historical Foundations
  - 1. Prefer AMH 2010 3 hrs
  - 2. Prefer AMH 2020 3 hrs
  - 3. Select from GEP 8.2 list 3 hrs
- Mathematical Foundations
  - 1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
  - 2. Prefer STA 2014C or STA 1060C 3 hrs
- Social Foundations
  - 1. Select POS 2041 American National Gvt 3 hrs
  - 2. Select one of the three choices 3 hrs
  - 3. E. Science Foundations 6 hrs

#### 2. Common Program Prerequisites

- POS 2041* American National Gvt GEP
- POS XXX* Any other POS XXXX course 3 hrs
  *See Transfer Notes for possible substitutes

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### 3. Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>3 hrs</td>
</tr>
<tr>
<td>American National Government</td>
<td></td>
</tr>
<tr>
<td>POS 3703</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Scope &amp; Methods of Pol Sci</td>
<td></td>
</tr>
</tbody>
</table>

#### 4. Upper Division Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 4284</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Judicial Process and Politics</td>
<td></td>
</tr>
</tbody>
</table>

#### 5. Upper Division Electives

1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses, except POS 2041 and POS 3703, toward both programs.
2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
3. Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
4. Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

#### 6. Foreign Language Requirements

- Admission: Met by graduation requirement
- Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

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7. Electives (variable)
Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

Some suggested electives include:
- ACG 2021 Principles of Financial Accounting
- ACG 2071 Principles of Managerial Accounting
- BUL 3310 Legal and Ethical Env't of Business
- PLA 3104 Legal Research
- PL 3155 Legal Writing
- PHI 2071 Critical Thinking
- MHL 3302 Logic and Proof in Mathematics
- ENC 3241 Writing for the Technical Professional
- ENC 3250 Professional Writing
- LIN 4105 History of the English Language
- Internship Program: Political Science

For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student must be evaluated for equivalency credit. The student must provide all necessary documentation prior to transferring to UCF.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Economics, History, Philosophy
Related Minors: Economics, History, English, Philosophy
Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- POS 2041* and POS XXXX*: any six hours of introductory Political Science classes. Since POS 2041 and POS 3703 satisfy the CPP as well as the major's core requirements, students are advised to select POS 2041 and POS 3703 to satisfy the CPP.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/acl/academic_learning_compacts.htm

Equipment Fee:
- Full-time Student: $10 per term
- Part-time Student: $5 per term

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
AMH 2010 U S History 1877 3 hrs
ENC 1101 Composition I 3 hrs
MGF 110X* req# 1G1-GE 3 hrs
POS 2041 History of the English Language 3 hrs
PY 1120* req# 1D1-GE 3 hrs
Sophomore Year
Fall
BSC 1005* req# 1E2-GE 3 hrs
POS 4284 Jud Process Pol 3 hrs
CPO 3105* req# 4.2B-RE 3 hrs
Elective* Check restrictions 3 hrs
SPN 1120C* req# Lang/Elec 3 hrs
Spring
AMH 2020 U S History 1877 Pres 3 hrs
ENC 1102 Composition II 3 hrs
REL 2300* req# 1B3-GE 3 hrs
SPC 1608* req# 1A3-GE 3 hrs
STA 2014C Prin of Statistics 3 hrs

Junior Year
Fall
POS 4603* req# 4.1-ResEle 3 hrs
POS 3225* req# 4.2-RE 3 hrs
CPO 3034* req# 4.2B-RE 3 hrs
Elective* Check restrictions 3 hrs
Spring
POS 3173* req# 4.2A-RE 3 hrs
Elective* Check restrictions 3 hrs
Elective* Check restrictions 3 hrs
Elective* Check restrictions 3 hrs

Senior Year
Fall
POS 3122* req# 4.2A-RE 3 hrs
POT 3204* req# 4.3C-RE 3 hrs
Elective* Check restrictions 3 hrs
Elective* Check restrictions 3 hrs
Elective* Check restrictions 3 hrs
Elective* Check restrictions 3 hrs

PSYCHOLOGY (B.S.)
College of Sciences
Psychology Department, PSY 301, 407-823-2216
http://www.psych.ucf.edu/

Contact: Psychology Advising Center, PSY 250, 407-823-2219; R. Dipboye, 407-823-2216

Students who change degree programs and select this major must adopt the most current catalog.

Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department.

Students must earn at least a “C” (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses.

Co-op or internship credit cannot be used in this major without prior approval.

Students should consult with the Department Director of Undergraduate Advising, prior to applying for graduation (before registration for the final term).

Graduating seniors should complete the senior exit survey.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Honors in Psychology:
Additional Requirements (6 hrs)
- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
- Application and admission through the department.
- Fulfill University requirements for Honors in the Major.
- Have a Psychology GPA above 3.5, based on at least 11 credits, including PSY 3213C. No grades can be below a “B” (3.0).
- Have an overall UCF GPA above 3.2.
- PSY 4903H Directed Honors Readings 3 hrs
- PSY 4907H Undergraduate Honors Thesis 3 hrs

1. UCF General Education Program (36 hrs)
(Note: Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36.)
- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations
  1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
  2. Select STA 2023 or STA 2014C 3 hrs
- D. Social Foundations
  1. Select one of the listed choices 3 hrs
  2. Select PSY 2012 3 hrs
- E. Science Foundations
  1. Select one of the listed choices 3 hrs
  2. Have an overall UCF GPA above 3.2.

*See Transfer Notes for possible substitutions.

2. Common Program Prerequisites (3 hrs)
- BSC 1005* Biological Principles or
- BSC 2010C (If additional Biology courses are planned)
- PSY 2012 General Psychology
- DEP 2004 Developmental Psychology 3 hrs
- STA 2023* Statistical Methods I (or STA 2014C) 3 hrs

*See Transfer Notes for possible substitutions.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
University of Central Florida

UCF Degree Programs

3. Core requirements (15 hrs)
   - BSC 1005* Biological Principles (or BSC 2010C) GEP
   - PSY 2012 General Psychology GEP
   - STA 2023* Statistical Methods I (or STA 2014C) GEP
   - PSY 3204 Statistical Methods in Psychology 4 hrs
   - PSY 3213C Research Methods in Psychology 5 hrs
   - PSB 3002 Physiological Psychology 3 hrs
   - PSY 4604 History and Systems of Psychology 3 hrs

4. Restricted Electives (27-32 hrs)
   A. Experimental. Select two of the following: 6-8 hrs
   - EXP 3404 Basic Learning Processes
   - EXP 3204C Perception
   - EXP 3604C Cognitive Psychology
   - PSY 4240C Neuropsychology
   - PSY 3703 Psychology of Language
   - PSY 4215C Advanced Research Methods in Psychology

B. Personality/Social. Select one of the following: 3 hrs
   - PPE 3003 Personality Theories
   - SOP 3004 Social Psychology

C. Developmental. Select one of the following: 3 hrs
   - DEP 2004 Developmental Psychology
   - DEP 3202 Psychology of Exceptional Children
   - DEP 3464 Psychology of Aging

D. Diversity. Select one of the following: 3 hrs
   - CLP 3184 Women's Mental Health
   - SOP 3742 Psych of Women
   - SOP 3723 Cross Cultural Psychology
   - SOP 3724 Psychology of Racial Prejudice
   - SOP 3784 Psychology of Diversity

E. Applied. Select one of the following courses: 3 hrs
   - CLP 3302 Clinical Psychology
   - EXP 3250 Principles of Human Factors Psychology
   - INF 3004 Industrial/Organizational Psychology

F. Psychology Elective. Select three additional courses taught by the Psychology department
   Note: INF 3141C, INF 3951, PSY 3955, PSY 4900, PSY 4912 will not fulfill this requirement. PSY 3951 will not fulfill this requirement without prior approval.

5. Math/Science Electives (6-8 hrs)
   Select two of the following from outside Psychology
   (See course listing for prerequisites)
   - ANT 2511 The Human Species (satisfies GEP)
   - BSC 1050 Biology & Environment
   - BSC 2011C Biology II
   - BSC 4312C Marine Biology
   - ENV XXXX Any ENV prefix course
   - GEO XXXX Any GEO prefix course
   - PSC 1121 Physical Science (satisfies GEP)
   - PHY 2053C College Physics I (satisfies GEP)
   - CHM 1020 Concepts in Chemistry (satisfies GEP)
   - COP 3223 Introduction to Programming with C
   - COP 3502C Computer Science I
   - COP 3503C Computer Science II
   - MAC 2233 Concepts of Calculus or
   - MAC 2283 Applied Calculus I
   - MCB XXXX Any MCB prefix course
   - PCB 3063 & L Genetics with lab
   - PCB 3703C Human Physiology
   - STA 4102 Computer Process of Stat Data
   - STA 4163 Statistical Methods II
   - STA 4164 Statistical Methods III
   - ZOO XXXX Any ZOO prefix course

6. Departmental Exit Requirements
   - Earn a grade of "C" (2.0) or better in each course in the core requirements, restricted electives and science elective.
   - Maintain a minimum overall psychology GPA of 2.0
   - Computer Competency met by PSY 3213C
   - Before applying to graduate, the CLAST must be completely satisfied

7. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement.
   Graduation: Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives (variable)
   Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

Related Programs: Sociology, Anthropology, Statistics, Criminal Justice

Related Minors: Psychology, Sociology, Anthropology, Math, Statistics

Transfer Notes:
   - Lower division courses taken at community colleges do not substitute for Upper Division courses
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
   - BSC 1005 or BSC 2010C: any lower level BSC course or ZOO X010. However, BSC 2010C is a prerequisite for all subsequent Biology courses and thus may need to be taken in order to qualify for other Biology courses used as science electives for the BS degree in psychology.
   - STA XXXX: any lower level STA course will fulfill the CPP. Since STA 2014C or STA 2023 is prerequisites for subsequent psychology courses, students are advised to select either to satisfy their CPP.
   - DEP 2004: any lower level psychology course will fulfill the CPP. Since DEP 2004 satisfies the CPP as well as psychology restricted elective 4C, students are advised to select DEP 2004 to satisfy their CPP.

Program Academic Learning Compacts

Equipment Fee
   - Full-time Student .......................................................... $11 per term
   - Part-time Student .......................................................... $5.50 per term

Suggested Plan of Study:
   One of numerous possible plans of study; see program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
   Fall
   - PHI 2010 req* 1B3-GEP
   - ENC 1101 Composition I
   - MGF 1106 req* 1C1-GEP
   - PSY 2012 General Psychology
   - STA 2002* Astronomy

   Spring
   - PHI 2010 req* 1B3-GEP
   - ENC 1102 Composition II
   - MGF 1106 req* 1C1-GEP
   - PSY 2012 General Psychology
   - STA 2002* Astronomy

Sophomore Year
   Fall
   - EUEH 2000 req* 1B1-GEP
   - DEP 2004 req* 4C-ResElec
   - CSE 2104 req* Lang/Elec
   - AST 2002* Astronomy
   - Elective* Check restrictions

   Spring
   - EUEH 2000 req* 1B1-GEP
   - DEP 2004 req* 4C-ResElec
   - CSE 2104 req* Lang/Elec
   - AST 2002* Astronomy
   - Elective* Check restrictions

Junior Year
   Fall
   - PSB 3002 Phys Psychology
   - PSY 3204 Stat Meth in Psych
   - CLP 3302* req* 4E-ResElec
   - Elective* Check restrictions

   Spring
   - PSB 3002 Phys Psychology
   - PSY 3204 Stat Meth in Psych
   - CLP 3302* req* 4E-ResElec
   - Elective* Check restrictions

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5. Departmental Exit Requirements
The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisite courses and in all Core Requirements (see sections 2 and 3 above). An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3 and 4).

6. B.A./B.S. Option (6 hrs)
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

7. Foreign Language Requirements (0-8 hrs)
Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and armed forces credits permitted.

Total Semester Hours Required 120 hrs
Related Programs: Accounting, Communications, Economics, Legal Studies, Computer Science, Social Work, Political Science, Criminal Justice, Health Services Administration, Management
Related Minors: Communications, Business, Economics, Political Science, Legal Studies, Computer Science, Social Work, Political Science, Criminal Justice
Transfer Notes: Intro. to Computer Science (CGS 1060C) or any Computer Science course Econometrics (ECON 2013) or any Macroeconomics course American National Government (POS 2041) or any course in American National Government
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

Freshman Year

Fall 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, ARH 2051, MUL 2010, MUL 2020, REL 2300, REL 2310, PHI 2010, LIT 2110, LIT 2120, PHI 2102 6
PAP 2102 2
Sophomore Year

Fall 15 hrs Spring 15 hrs
SPC 1608 3 PAP 3003 3
EUI 2000 or HUM 2210 3 EUI 2001 or WOH 2022 or HUM 2230 or
or AMH 2010 or WOH 2012 3
ECON 3263 3 AMH 2020 3
BSC 1005 or MCB 1310 3 Elective 3
or GLY 1030 or GEO 1200 or Elective 3
or ANT 2511 3 Elective 3
or Elective 3
Junior Year

Fall 15/16 hrs Spring 15/16 hrs
PAP 4104 3 PAP 4034 3
PAP 4204 3 PAP 4720 3
PAP Elective 3 Elective 3
Supporting Elective 3 PAP Elective 3
Foreign Lang I or B.S. option 4/3 Foreign Lang II or B.S. option 4/3

UCF Degree Programs
RADIO-TELEVISION (B.A.)

College of Sciences
Nicholson School of Communication
COMM 238, 407-823-2681
E-mail: radiotv@ucf.edu
Contact: Dr. W. Joe Hall

Admission Requirements

■ Students should apply to become Radio-Television majors only after completing all requirements for admission. Deadlines are: October 1 to be admitted the next Spring term
■ February 1 to be admitted the next Summer term
■ July 1 to be admitted the next Fall term
■ Attain an overall minimum 2.25/4.00 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.
■ Meet a grammar proficiency standard (“B” grades or better in ENC 1101 and ENC 1102 or pass the grammar proficiency exam.)
■ Receive a positive evaluation of other factors specified by the School.
■ Students who change degree programs (other than from Radio/TV Pending) and select this major must adopt the most current catalog.
■ Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor’s approval
■ Internship credit may be used in this major pending departmental permission
■ Co-op credit may be used in this major pending approval from an RTV advisor
■ Students should consult with a School advisor
■ School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication
■ Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
■ Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
■ To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication
■ Radio TV majors must select their required minor from outside the School of Communication to remain below the 40 credit hour school maximum.
■ Students seeking to change tracks once accepted into the major, must re-apply to the RTV major under the new, desired track
■ A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.

Minors

The six PAD required core courses for the major will be required of the PAD minor. These are PAD 3003, PAD 4414, PAD 4104, PAD 4204, PAD 4034, and PAD 4720.

The Department of Public Administration offers minors in Emergency Management and Homeland Security, Urban and Regional Planning, Public Administration, and Nonprofit Management/American Humanities National Certification Program and also offers a certificate in Nonprofit Management.

1. UCF General Education Program

■ Communication Foundations
  Select ENC 1101 & ENC 1102
  6 hrs
■ Cultural and Historical Foundations
  Select SPC 1608 or SPC 1603
  3 hrs
■ Mathematical Foundations
  Prefer MGF 1106 or MGF 1107 (may substitute a higher level math)
  3 hrs
  Select CGS 2100C
  3 hrs
■ Social Foundations
  6 hrs
■ Science Foundations
  6 hrs

2. Common Program Prerequisites

Select one course

GEP
SPC 1603 Fund of Technical Presentations
or
SPC 1608 Fund Oral Communication
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core requirements (all areas)

Select one of the following:

GSP 2100C Computer Fundamentals of Business
CGS 2585C Desktop/Internet Publishing
CGS 3175 Internet Applications

b. Complete all the following:

RTV 2102 Writing for the Electronic Media
RTV 3200 Production Fund & Aesthetics of Electronic Media

RTV 3007 Development and Structure of Electronic Media and New Technology
MMC 3200 Mass Communication Law
RTV 4403 Elect Media, Tech, and Society
MMC 3420 Mass Media Research Meth

4. Specialization: Select one area

4.1 Production

Select 18 hours from the following:

RTV 3200 Audio Production I
RTV 3228C Studio Television Production
RTV 3223C Lighting for Video
RTV 3260C Single Camera Video Prodn & Edit
RTV 3263C Advanced Video Post-Production
RTV 3283C Production of Int. Multimedia
RTV 3942L Practicum
RTV 4211C Audio Production II
RTV 4280C Webcasting I
RTV 4281C Webcasting II
RTV 4260C Television Directing
RTV 4271C Radio Production & Programming
RTV 4941 Internship

4.2 Broadcast Journalism

Select 12 hours from the following courses:

RTV 3250C Single Camera Video Prodn & Edit
RTV 3291 Electronic Journalism I
RTV 3304 Electronic Journalism II
RTV 4320C Television News
MMC 4602 Contemporary Media Issues
JOU 3004 History of American Journalism
RTV 3234C Broadcast Announcing and Performance
RTV 4941 Internship (3 hrs max)
RTV 4700 Regulation of Broadcasting
RTV 4906 Independent Studies (3 hrs max)
RTV 4322C Advanced Television News

4.3 Broadcast Generalist

Select 12 hours from the following courses:

RTV 3234C Broadcast Announcing & Performance
RTV 4271C Radio Production & Programming
RTV 4700 Regulation of Broadcasting
RTV 4800 Broadcast Management
ADV 4103 Radio-TV Advertising
CMC 4240 Corporate/Institutional Video
COM 3330 Computer Mediated Comm.
MMC 4253 New Media Technologies
RTV 4941 Internship (3 hrs max)
Undergraduate Program Director:  
http://www.cohpa.ucf.edu/health.pro/radbs.cfm  
HPA2 208, 407-823-2747

5. Required Minor  
Radio-Television majors must complete an 18 hour minor in an academic area outside the School of Communication.

6. School Exit Requirements
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve an overall "C" GPA (2.0) in UCF Radio/TV courses used to satisfy the major.
- Computer competency met by CGS 2100C or departmental assessment.
- Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements  
Admission: Met by graduation requirement

Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives  
(variable)
Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required  
120 hrs

Related Programs: Advertising/Public Relations, Animation, Digital Media, Journalism, Film, Theatre
Related Minors: Digital Media, Film, Marketing, Theatre

Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ........................................ $90 per term
- Part-time Student ........................................... $45 per term

RADIOLOGIC SCIENCES (B.S.)

College of Health and Public Affairs
Department of Health Professions
HPA2 208, 407-823-2747
http://www.cohpa.ucf.edu/health.pro/radbs.cfm
Undergraduate Program Director: Susan Gosnell,  
E-mail: sgosnell@mail.ucf.edu

Admission Requirements  
Limited Access
- Acceptance to the university does not necessarily constitute admission to the upper division Radiologic Sciences Program.
- Separate application to the limited access program must be made directly to the program on or before March 1 of the year admission is sought.

UCF application must be submitted by the program deadline of March 1. Acceptance to UCF is necessary before acceptance to the program can occur.

This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

Criminal history information (background check) must be submitted on or before April 1st of the year admission is sought. For Florida residents the criminal history must be certified by the Florida Department of Law Enforcement (FDLE).

A personal interview is also required.

Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program. All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0). Applicants are considered for admission based on ranking by overall GPA.

Degree Requirements
- Students who are Radiologic Sciences Pending and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions, and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be 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, continuation in, and graduation from the Radiologic Sciences Program
- UCF Residency Requirement for Radiography: 33 hours

1. UCF General Education Program  
(36+2 hrs)

A. Communication Foundations  
- Select MAC 1105*  
- Select CGS 1060C  
- Select PHY 2053C*

B. Cultural Historical Foundations  
- Select MAC 1105*  
- Select CGS 1060C  
- Select PHY 2053C*

C. Mathematical Foundations  
- Select MAC 1105*  
- Select CGS 1060C  
- Select PHY 2053C*

D. Social Foundations  
- Select MAC 1105*  
- Select CGS 1060C  
- Select PHY 2053C*

E. Science Foundations  
- Select MAC 1105*  
- Select CGS 1060C  
- Select PHY 2053C*

2. Common Program Prerequisites  
(12 hrs)

CGS 1060C Introduction to Computer Science  
PCB 3703C* Human Physiology  
PHY 2053C* College Physics I  
PHY 2054C College Physics II  
ZOO 3733C* Human Anatomy  
MAC 1105* College Algebra
*See Transfer Notes
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements  
(76 hrs)

Junior Level

RTE 3000 Introduction to Radiologic Sciences  
RTE 3111C Introduction to Patient Care  
RTE 3503C Radiographic Procedures I  
RTE 3116 Advanced Patient Care  
RTE 3418C Principles of Radiographic Exposure I  
RTE 3804L Clinical Education I  
RTE 3513C Radiographic Procedures II  
RTE 3457C Principles of Radiographic Exposure II  
RTE 3614 Physics of Image Production  
RTE 3308 Medical Physics  
STA 2023 Statistical Methods I  
HSC 4555 Pathophysiological Mechanisms  
RTE 3814L Clinical Education II

Senior Level

RTE 4563 Special Radiographic Procedures  
RTE 4782 Pathophysiology  
RTE 4824L Clinical Education III  
RTE 4573 Advanced Imaging Modalities
4. Program Exit Requirements
(126 hrs)
A minimum overall GPA of 2.50 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiology Sciences Program. The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates are eligible to apply for admission to the Radiography certification exam administered by the American Registry of Radiologic Technologists (ARRT).

5. Electives
none

6. Foreign Language Requirements
(0-8 hrs)
Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. Students who transfer with a Florida Public Community College AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
Graduation: none

7. University Minimum Exit Requirements
An overall GPA of 2.5
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 36 hours of course work must be completed in residency at UCF
25% of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: (126 hrs)

Related Programs: Cardiopulmonary Sciences, Nursing, Health Services Administration

Transfer Notes: 

Prerequisite Requirements
The prerequisite requirements for the following courses are listed below:

PHY 2053C: PR: MAC 1105 and MAC 1114 or equivalent or C.I.
PCB 3703C: PR: BSC 2010C, CHM 1032 or CHM 2045C.
ZOO 3733C: PR: BSC 2010C 4

Credit by Examination
Credit by Exam for clinical education courses will be awarded to ARRT certified Radiographers who demonstrate advanced knowledge and competencies beyond the level required for entry into the profession. The knowledge required to perform advanced competencies may be demonstrated by registration in multiple disciplines, registration in an advanced level of certification or completion of the Advanced Clinical Practicum course. Students who successfully complete the requirements for credit by exam will be awarded a grade of “S” for the clinical education courses required in their program of study.

Credit by exam for didactic courses will be awarded according to the process described in the UCF Catalog.

Community College Equivalents:

Human Anatomy and Physiology I and II (BSC X085C and BSC X086C or BSC 2093C and BSC 2094C) 8
College Algebra (MAC 1105) or (MAC 1102) 3
College Physics I (PHY 2053C) 4
College Physics II (PHY 2054C) 4
Introduction to Computer Science (CGS 1106C) or (CGS 2010C) 3

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ceas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ............................................ $50 per term
- Part-time Student ............................................. $25 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 18 hrs Spring 16 hrs
ENC 1101 3 ENC 1102 3
CGS 1060C 3 BSC 2010C 4
MAC 1105 3 MAC 1114 3
CHM 1032 and lab 4 ECO 2013 or POS 2041 or C.I.
ECO 2023 3

Sophomore Year
Fall 14 hrs Spring 14 hrs
PHY 2053C 4 PCB 3703C 4
ZOO 3733C 4 SPC 1608 3
EUH 2000 or HUM 2210 3 PHY 2054C 4
or AMH 2010 3 EU2001 or C.I.
PSY 2012 or SYG 2000 or ANT 2000 3 HUM 2230 or AMH 2020 3

Junior Year
Fall 15 hrs Spring 16 hrs
RTI 4385 1 RTE 4846L 4*
RTE 4206 3
RTE 4573 3 RTE 4782 2
RTE 4574 3 RTE 4473 3
RTE 3804L 2
RTE 3614 2 RTE 3116 3
RTE 3000 3 RTE 3457C 3
Fall 14 hrs Spring 16 hrs
RTE 4563 2
STA 2023 3
RTE 4392 5
RTE 3308 3
RTE 4563 2
FIL 2030 3
REL 2300 3
ECO 2023 3
HUM 2210 3

Senior Year
Fall 14 hrs Spring 12/14 hrs
RTE 4385 1 RTE 4846L 4*
RTE 4762 3 or both RTE 4846L 4*
RTE 4834L 6 and RTE 4854L 4*
RTE 4573 3 RTE 4782 2
RTE 4574 or RTE 4579 4
RTE 4473 3 RTE 4206 3
RTE 4846L 4*
or
RTE 4844L 2
and RTE 4854L 4*

*Completed during the Spring or Summer semester/term.

RADIOLOGIC SCIENCES (B.S.)
A.S. to B.S. TRACK
Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

REAL ESTATE (B.S.B.A.)
College of Business Administration
BA 2101, 407-823-2184
http://www.bus.ucf.edu/
Not eligible for a double degree with another College of Business Administration major

Admissions Requirements
- Completion of the UCF General Education Program, and Gordon Rule, or an AA degree from a Florida public community college
- See Common Program Prerequisites

Degree Requirements

1. UCF General Education Program (36 hrs)
A. Communications Foundations 9 hrs
Preferred: SPC 1005 Fund of Oral Communication
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations
   Select MAC 1140 Pre-Calculus 3 hrs
   Select CS 2010C Computer Fund. For Business 3 hrs
D. Social Foundations
   Select ECO 2013 or ECO 2023 3 hrs
   Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
E. Science Foundations 6 hrs
2. **Common Program Prerequisites** (18-21 hrs)
   Must be completed with a “C” (2.0) or better.
   - ACG 2021 Principles of Financial Accounting 3 hr
   - ACG 2071 Principles of Managerial Accounting 3 hr
   - ECO 2013 Principles of Macroeconomics 3 hr
   - ECO 2023 Principles of Microeconomics 3 hr
   - *ECO 3401 Quantitative Business Tools I 3 hr
   - *CGS 2100C Computer Fundamentals for Business 3 hr

   *At UCF, students who have completed MAC 2233 and STA 2203 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. **Core Classes** (36 hrs)
   First or subsequent semester in the College of Business Administration:
   - GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
   - GEB 3375 Introduction to International Business 4 hrs
   - BUL 3130 Legal & Ethical Environments of Business 4 hrs
   - ECO 3411 Quantitative Business Tools I 4 hrs
   - PIN 3403C Business Finance 4 hrs
   - MAN 3025 Management of Organizations 4 hrs
   - ISM 301C Essentials of Management Information Systems 4 hrs
   - MAR 3023 Marketing 4 hrs

   Last Semester:
   - MAN 4720 Strategic Management 4 hrs

4. **Special College and/or Department Requirements**
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
   - Students wanting to major in real estate must apply for admission to the major.
   - Final exams will be given during exam week.
   - Any student receiving a business degree must complete one half (30) of the 60 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 real estate must earn a grade of “C” (2.0) or better in each course toward the major, and a 2.0 overall average in the major.
   - Students must earn at least a 2.0 GPA in the major and CBA.

5. **Required Courses** (9 hrs)
   - FIN 2100 Personal Finance and Investments 3 hrs
   - REE 3043 Fundamentals of Real Estate 3 hrs
   - REE 3433 Real Estate Law 3 hrs

6. **Restricted Electives** (15 hrs)
   Select five of the following:
   - FIN 3414 Intermediate Corporate Finance 3 hrs
   - FIN 3504 Investment Analysis 3 hrs
   - REE 3614 Environmental Issues for Real Estate 3 hrs
   - REE 4103 Real Estate Appraisal and Valuation 3 hrs
   - REE 4203 Commercial Real Estate Finance 3 hrs
   - REE 4204 Residential Real Estate Finance 3 hrs
   - REE 4303 Real Estate Investment Analysis 3 hrs
   - REE 4732 Real Estate Development 3 hrs
   - MAR 3391 Professional Selling 3 hrs
   - REE 4941 Internship 3 hrs
   - REE 4903H** Honors Directed Readings in Real Estate 3 hrs
   - REE 4970H** Honors Thesis in Real Estate 3 hrs

   **Must be accepted into the UCF Honors in the Major Program.

   See [http://www.honors.ucf.edu/alc](http://www.honors.ucf.edu/alc) for details.

7. **Foreign Language Requirements** (0-8 hrs)
   **Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   **Graduation:** None

8. **University Minimum Exit Requirements**
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

**Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)**

9. **Electives** (variable)

**Total Semester Hours Required** 120 hrs

**Transfer Notes**
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm](http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fee**
- Full-time Student ............................................. $30 per term
- Part-time Student .............................................. $15 per term

**FOUR YEAR PLAN OF STUDY - REAL ESTATE**

**Freshman**
- **1st Term** 15 hrs 2nd Term 15 hrs
  - ENC 1101 3 ENC 1102 3
  - Cult-Hist I 3 Cult-Hist II 3
  - SPC 1608 3 Art/Music/Lit 3
  - MAC 1105 3 CGS 2100C 3
  - Elective*** 3 Elective*** 3

**Sophomore**
- **1st Term** 15 hrs 2nd Term 15 hrs
  - ECO 2013 3 ECO 2023 3
  - ACG 2071 3 Science 3
  - Psych/Soc/Art 3 FIN 2100 3
  - Elective*** 3 ECO 3401 3

**Junior**
- **1st Term** 14 hrs 2nd Term 15 hrs
  - GEB 3031 4 GEB 3375 4
  - REE 3043 3 MAR 3023 4
  - REE 3433 3 ECO 3411 4
  - FIN 3403C 4 REE Elective 3

**Senior**
- **1st Term** 15 hrs 2nd Term 16 hrs
  - MAN 3025 4 MAN 4720 4
  - ISM 301C 4 REE Elective 3
  - BUL 3130 4 REE Elective 3
  - REE Elective 3 REE Elective 3

***General electives as required to reach 120 semester hours.**
UCF Degree Programs

RELIGIOUS STUDIES (B.A.)
College of Arts and Humanities
Department of Philosophy, PSY 220, 407-823-2273
http://www.cah.ucf.edu/philosophy/
E-mail: religion@mail.ucf.edu

Program Director: Claudia Schippert, E-mail: cschippe@mail.ucf.edu

Admission Requirements  none

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.
■ Co-op or internship credit cannot be used in this major without prior approval by the chair.
■ Students must earn at least a “C” (2.0) in each required course.
■ Students should consult with a departmental advisor.
■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
■ Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hrs.
■ No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religious Studies may be simultaneously applied to fulfill another major.

1. UCF General Education Program (36 hrs)
A. Communication Foundations
Select HUM 2210 Humanistic Tradition I 3 hrs
Select HUM 2230 Humanistic Tradition II 3 hrs
Select REL 2300 World Religions 3 hrs

B. Cultural and Historical Foundations
Select MGF 1106 Finite Mathematics or MGF 1107 (May substitute a higher level math) 6 hrs
Select STA 1060C Statistics Using Excel 6 hrs

C. Mathematical Foundations
Select two from:
HUM 3252 Contemporary Humanities
HUM 3255 Modern Humanities
HUM 3431 Ancient Humanities

D. Social Foundations
Select HUM 2210 Humanistic Tradition I 3 hrs
Select HUM 2230 Humanistic Tradition II 3 hrs

E. Science Foundations
Select HUM 2210 Humanistic Tradition I 3 hrs
Select HUM 2230 Humanistic Tradition II 3 hrs

2. Common Program Prerequisites
     none

3. Core requirements (24 hrs)
   Core.
     Select three courses, at least two must be from 1.
     (1) Religion
     REL 3131 Religion in America GEP
     REL 4110 Religion and the Arts
     PHI 3700 Philosophy of Religion
     ANT 3241 Magic, Ritual, and Belief
     POT 4632 Religion and Politics
     SYO 4209 Sociology of Religion
     (2) Humanities and Classics
     CLT 3370 Classical Mythology
     CLT 3378 Comparative Mythology
     HUM 3431 Ancient Humanities
     HUM 3435 Medieval Humanities
     HUM 3255 Modern Humanities
     HUM 3252 Contemporary Humanities
     c. Traditions: Religion in a Global World (9 hrs)
     Select three courses:
     HUM 3401 Asian Humanities
     HUM 3417 Hindu Thought and Culture
     HUM 3419 Islamic Thought and Culture
     HUM 3552 Christian Thought
     HUM 3553 Moses, Jesus, and Mohammed
     REL 3340 Buddhist Thought
     ANT 3245 Native American Religions
     JST 3401 The Jewish People I
     or JST 3402 The Jewish People II
     d. Applications: Topics and Issues in the Study of Religion (6 hrs)
     Select two courses:
     PHI 3032 Philosophy, Religion, and the Environment
     PHI 3035 Religion, Spirituality, and Popular Music
     REL 3111 Religion and Philosophy through Film
     REL 3432 Roots of Western Mysticism
     REL 4932 Religion and Medicine
     HUM 4504 Religious Quest and the Human Dilemma
     HUM 4303 The Spiritual Ideal
     PHI 3075 Animal Ethics

4. Upper Division Restricted Electives (9 hrs)
Select three courses from the following list and/or the Core list above (if not being used to fulfill Core Requirements).
   REL 4941 Spiritual Care Internship
   HUM 3320 Contemporary Multicultural Studies
   HUM 4301 The Classical Ideal
   HUM 4330 Performance Theory
   PHI 4321 Philosophy of Embodiment: Mind/Body/Self
   PHI 3629 Family Values
   PHI 3638 Ethical Issues in the 21st Century
   PHI 3684 Ways of Living
   PHI 3020 Philosophy of Love
   PHI 4341 Ways of Knowing
   PHI 4804 Critical Theory
   PHI 3100 Freedom and Justice
   PHI 3786 Existentialism
   AML 3615 Harlem, Haiti, and Havana
   ASH 3222 Islam and its Empires
   ASH 3223 The Modern Middle East
   JST 3100 The Hebrew Creative Mind
   JST 3125 The Book of Job
   JST 3144 Dead Sea Scrolls
   JST 3450 Modern Jewish Experience
   JST 3550 Introduction to Modernism into Judaism
   JST 3701 History of the Holocaust
   JST 3751 Literature of the Holocaust
   JST 3910 The Jewish National Movement and Roots of Zionism
   LIT 4374 Literature of the Bible
   LIT 3202 Death and Dying

Note: Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.

5. Departmental Exit Requirements (3 hrs)
   ■ REL 4910 Senior Research Seminar (3 hrs).
   ■ Earn a “C” (2.0) or better in each required course.
   ■ Computer Competency met by REL 4970H, REL 4910, or by STA 1060C.
   ■ To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

6. Honors in the Major
   Students considering graduate school in Religious Studies are strongly encouraged to take Honors in the Major. Requirements are as follows:
   Core, Elective Requirements, and Senior Seminar (36 hrs)
   Same requirements as for regular majors
   Honors Thesis (6 hrs)
   REL 4903H Honors Directed Readings 3 hrs
   REL 4970H Honors Thesis 3 hrs
   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)
UCF Degree Programs

Total Semester Hours Required 120 hrs

Related Programs: Philosophy, Humanities, Interdisciplinary 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.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

Fall
ENC 1101 Composition I 3 hrs
HUM 2210 Hum Tradition I 3 hrs
MGP 1108 req# 1G1-GEP 3 hrs
REL 2300 World Religions 3 hrs
SPN 1120C req# Lang/Elec 4 hrs

Spring
ANT 2511 req# 1E2-GEP 3 hrs
COM 1000 req# 1A3-GEP 3 hrs
ANT 2511 req# 1E2-GEP 3 hrs
POS 2041 req# 1D1-GEP 3 hrs

Sophomore Year

Fall
ANT 2511 req# 1E2-GEP 3 hrs
POS 2041 req# 1D1-GEP 3 hrs
COM 1000 req# 1A3-GEP 3 hrs
HUM 2220 Hum Tradition II 3 hrs
REL 3131* req# 3c-Tradtns 3 hrs

Spring
HUM 3252* req# 4-ResElect 3 hrs
REL 3341* req# 3c-Tradtns 3 hrs
JST 3401* req# 3c-Tradtns 3 hrs

Junior Year

Fall
Phi 3700* req# 3b-Foun 3 hrs
REL 3115* req# 3d-Appl 3 hrs
Phi 4341 req# 4 ResElec 3 hrs

Spring
REL 3340* req# 4 3 hrs
Elective* Check restrictions 3 hrs
Elective* Check restrictions 3 hrs
Elective* Check restrictions 3 hrs

Senior Year

Fall
REL 3340* req# 4 3 hrs
Elective* Check restrictions 3 hrs
Elective* Check restrictions 3 hrs
Elective* Check restrictions 3 hrs

Spring
REL 3340* req# 4 3 hrs
Elective* Check restrictions 3 hrs
Elective* Check restrictions 3 hrs
Elective* Check restrictions 3 hrs

RESTAURANT AND FOOD SERVICE MANAGEMENT (B.S.)
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, FL 32819
407-903-8000
http://www.hospitality.ucf.edu
Dean: Abraham Pizam

Degree Requirements

1. UCF General Education Program (GEP) (36 hrs)
   A. Communications Foundations 9 hrs
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations
      Select MAC 1105 College Algebra 3 hrs
      Select CSG 2100C Computer Fundamentals for Business 3 hrs
      STA 2023 Statistical Methods I 3 hrs
   D. Social Foundations
      Select ECO 2013 Macroeconomics 3 hrs
      or
      Select ECO 2023 Microeconomics 3 hrs
   E. Science Foundation 6 hrs

2. Common Program Prerequisites (3 hrs)
   HFT 1000 Introduction to Hospitality Management 3 hrs
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Foundations
   - CGS 2100C Computer Fundamentals of Business (GEP)
   - or STA 2023 Statistical Methods I
   - ECO 2013 Macroeconomics (GEP)
   - or ECO 2023 Microeconomics
   - MAC 1105 College Algebra (GEP)

4. Hospitality Management Core (28 hrs)
   - HFT 2401 Hospitality Financial Accounting 3 hrs
   - HFT 2500 Hospitality Marketing 3 hrs
   - HFT 2220 Hospitality Human Resources 3 hrs
   - HFT 3444 Hospitality Information Systems 3 hrs
   - HFT 3603 Legal Environment in Hospitality 3 hrs
   - HFT 3431 Hospitality Managerial Accounting 3 hrs
   - HFT 3540 Guest Services Management 3 hrs
   - HFT 4464 Hospitality Industry Finance 3 hrs
   - HFT 4286 Hospitality Communications 3 hrs
   - HFT 3933 Distinguished Lectures in Hospitality Mgmt 1 hr

5. Internship (3 hrs)
   - HFT 3940 Internship 1 hr
   - HFT 4941 Internship 1 hr
   - HFT 4944 Internship 1 hr

6. Restaurant Management Core (24 hrs)
   - FSS 2212C Operations Management 3 hrs
   - HFT 3263 Restaurant Management 3 hrs
   - HFT 4286 Case Studies in Restaurant Management 3 hrs
   - HFT 3312* Supply and Procurement Management 3 hrs
   - HFT 4266 Restaurant Brand Management 3 hrs
   - HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs
   - HFT 4861C Beverage Management 3 hrs
   - HFT 4844 Sanitation in the Food Service Industry 3 hrs

7. Special College Requirements
   - Final exams will be given during Exam Week only.
   - Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

8. Restricted Electives (15 hrs)
   Choose any 5 courses from the list below for a total of 15 credit hours:
   - FSS 3232C Intermediate Techniques of Food Production 3 hrs
   - FSS 4286C Catering and Banquet Organization 3 hrs
   - HFT 3807 Multi-Unit Food Service Operations 3 hrs
   - HFT 4645 Restaurant Real Estate, Site Selection and Modeling 3 hrs
   - HFT 4425 Financial Analysis for Restaurant Managers 3 hrs
   - HFT 3574 Foodservice Marketing, Advertising, and Promotion Management 3 hrs
   - HFT 4269 Case Studies in Multi-Unit Restaurant Management 3 hrs
   - HFT 4343 Hospitality Facilities, Planning and Design 3 hrs
   - HFT 3654 Franchising in the Restaurant Industry 3 hrs
   - HFT 4281 Restaurant Leadership and Tactics 3 hrs
   - FSS 3008 Culture and Cuisine 3 hrs
   - HFT 3610 Law and Restaurant Management 3 hrs
   - HFT 3285 International Restaurant Corporation Management 3 hrs
   - HFT 4284 Training and Employee Performance in the Food Service Industry 3 hrs
   - HFT 3834 Topics in Restaurant & Foodservice Management 3 hrs
   - FSS 4135 Corporate Contract & Managed Services Orgs 3 hrs
   - HFT 4864 Anheuser-Busch Seminar in Quality Brewing and Fine Beers 3 hrs
   - HFT 4866C Exploring Wines of the World 3 hrs
   - HFT 4457 Food, Beverage and Labor Cost Control 3 hrs
   - HFT 3868 History of Wine and Culture 3 hrs
   - HFT 4894 International Hospitality Management 3 hrs
   - HUN 3013 Nutrition in the Food Service Industry 3 hrs
   - HFT 4865 Advanced Wine Mgmt 3 hrs

9. Foreign Language Requirements (0-8 hrs)
   State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

10. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 48 hours of upper division credit completed
    - 30 semester hours of coursework completed in residency (last 30 hours) at UCF
    - A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
SCIENCE EDUCATION – BIOLOGY (B.S.)

College of Education
Department of Teaching and Learning Principles, ED 209
http://education.ucf.edu/science/
Program Coordinator: Dr. Aldrin Sweeney, ED 123L, 407-823-2561,
E-mail: asweeney@pegasus.cc.ucf.edu

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C" (1.75) or better.

Meet the Gordon Rule Requirement.
Meet Foreign Language Admission Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (36+1 hrs)

A. Communication Foundation (9 hrs)
1. ENC 1101 English Composition I 3 hrs
2. ENC 1102 English Composition II 3 hrs
3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundation (9 hrs)
1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs
2. Prefer: PHI 2010 Introduction to Philosophy 3 hrs
3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs

C. Mathematical Foundation (6 hrs)
1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs
2. Prefer: STA 100C Basic Statistics using MS Excel or STA 2014C Principles of Statistics

D. Social Foundation (6 hrs)
1. Prefer: POS 2041 American National Government 3 hrs
2. Prefer: PSY 2012 General Psychology 3 hrs

E. Science Foundation (6+1 hrs)
A grade of "C" (1.75) is required.
1. Select: PSC 1121 Physical Science 3 hrs
2. Select: BSC 2010C Biology I 4 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Note: In addition to EDF 2085, a minimum of 6 hours with an international or diversi-
fy focus is required. The foreign language admission requirement may be used to meet this requirement. See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Other Program Requirements (12 hrs)

- EDF 2130* Child and Adolescent Development for Educators 3 hrs
- BSC 2010C Biology I w/Lab GEP
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- PSC 1121L Physical Science Lab 1 hr

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)

- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Applications of Ethical, Legal, and Social Issues in Schools 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Sec Settings 3 hrs
- RED 4043 Content Reading in Kindergarten thru Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESLG 3 hrs

- Program Internship I Prerequisites: EDF 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of "C" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading in Kindergarten thru Grade 12, and TSL 4080 Theory and Practice of Teaching ESL Students in Schools.
### UCF Degree Programs

#### SCIENCE EDUCATION - CHEMISTRY (B.S.)

#### College of Education
Department of Teaching and Learning Principles, ED 209
http://education.ucf.edu/science/

Program Coordinator: Dr. Aldrin Sweeney, ED 123L, 407-823-2561, E-mail: asweeney@pegasus.cc.ucf.edu

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

**Degree Requirements**
- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

#### Recommended Four Year Sequence of Courses

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<td>EDF 2085 Intro to Diversity for Ed</td>
<td>3</td>
<td>EME 2040 Intro to Tech for Educators</td>
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<td>3</td>
<td>ENC 1102 English Composition II</td>
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<td>POS 2041 American National Gov</td>
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<td>MGF 1106 Finite Mathematics</td>
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<td>PHI 2010 Intro to Philosophy</td>
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<td>PSY 2012 General Psychology</td>
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<td>PSC 1112 Physical Science</td>
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<td>SPC 1608 Fund Oral Comm</td>
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<td>TSL 4080 Theory &amp; Prac of Teach</td>
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<td>BSC 2011C Biology II</td>
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<td>ESLOL Students in Schools</td>
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<td>STA 1060C Basic Stats using MS Excel</td>
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**Transfer Notes:** Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

<table>
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<td><strong>Spring</strong></td>
<td><strong>12 hrs</strong></td>
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<td>EDF 4467 Learn Theory &amp; Assmt</td>
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<td>EDF 4468 C Methods of Teach</td>
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<td>PCB 3063L Genetics Lab</td>
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<td><strong>Spring</strong></td>
<td><strong>12 hrs</strong></td>
<td><strong>Summer</strong></td>
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<td>SCE 4361 Prog in Teachg Science</td>
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<td>EEX 4242 Teaching Exceptional</td>
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<td>Students in Secondary Settings</td>
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#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: 
  [http://www.oceas.ucf.edu/alacademic_learning_compacts.htm](http://www.oceas.ucf.edu/alacademic_learning_compacts.htm)

#### UCF General Education Program
- A. Communication Foundation (9 hrs)
  1. ENC 1101 English Composition I 3 hrs
  2. ENC 1102 English Composition II 3 hrs
  3. Select: MAC 1144 College Trigonometry 3 hrs

- B. Cultural-Historical Foundation (9 hrs)
  1. Select: MAC 1144 College Trigonometry 3 hrs
  2. Select: MAC 1144 College Trigonometry 3 hrs

- C. Mathematical Foundation (6 hrs)
  1. Select: MAC 1144 College Trigonometry 3 hrs
  2. Select: MAC 1144 College Trigonometry 3 hrs
UCF Degree Programs

D. Social Foundation (6 hrs)
1. Prefer: POS 2041 American National Government 3 hrs
2. Prefer: PSY 2012 General Psychology 3 hrs

E. Science Foundation (6 hrs)
A grade of "C-" (1.75) is required.
1. Select: BSC 2010C Biology I 4 hrs
2. Select: PSC 1121 Physical Science 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)
EDF 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Note: In addition to EDF 2085, a minimum of 6 hours with an international or diversi-
sity focus is required. The foreign language admission requirement may be used to
meet this requirement.

See "Common Prerequisites" in the Transfer and Transitions Services section for
more information.

3. Other Program Requirements (8 hrs)
EDF 2130* Introduction to Diversity for Educators 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
PSC 1121 Physical Science 3 hrs
BSC 2010C Biology I 3 hrs
MAC 1114 College Trigonometry 2 hrs

*Transfer Notes: Courses taken at community colleges may substitute for select
courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
RED 4043 Content Reading in Kindergarten thru Grade 12 3 hrs
TSL 4080 Theory and Practice of Teaching ESL 3 hrs

Program Internship I Prerequisites: EDF 4410, TSL 4080 and at least 50% of
all required chemistry courses must be completed prior to Internship I with
a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5
is required in the professional, specialization and overall for admission to
Internship I.

Passing score on the General Knowledge Test portion of the Florida Teacher
Certification Examination (FTCE) is required before application to Internship I.

Students must apply and be approved for Internship I. Deadline dates and
applications are available through the Office of Clinical Experiences at http://
www.education.ucf.edu/clinicalexper/. 

Passing score on the Professional Education Test portion of the Florida
Teacher Certification Examination (FTCE) is strongly recommended as soon as
possible after completing the following courses: EDF 4410 Teaching Strategies
and Classroom Management, EDF 4467 Learning Theory and Assessment,
RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080
Theory and Practice of Teaching ESL. Students in Schools.

5. Internship I Block (7 hrs)
SCE 4360 Science Instructional Analysis 4 hrs
SCE 3940 Internship I 3 hrs

6. Specialization Requirements (29 hrs)
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Lab 1 hr
PHY 2053C College Physics I 4 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Lab 1 hr
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHS 2501 Intro to Forensic Science 3 hrs
BCH 4053 Biochemistry I 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

At least 80% of all required chemistry courses and all methods courses must
be completed with a letter grade of "C-" (1.75) or better before registering for
Internship II. However, a minimum GPA of 2.5 is required in the professional,
specialization and overall for admission to Internship II.

Passing score on the Subject Area Examination (Chemistry 6-12) portion of
the Florida Teacher Certification Examination (FTCE) is strongly recommended
prior to entry into Internship II.

Students must apply and be approved for Internship II. Deadline dates and
applications are available through the Office of Clinical Experiences at
http://www.education.ucf.edu/clinicalexper/.

7. Internship II (12 hrs)
SCE 4941 Internship II 12 hrs

Satisfactory completion of Internship II requires the student to demonstrate
proficiency in all 12 Florida Educator Accomplished Practices at the pre-profes-
sional level in accordance with State Board of Education Rule 6A-5.066.

8. Foreign Language Requirements (0-8 hrs)
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single
foreign language. (This requirement applies to those students admitted
to the University without the required two units of foreign lan-
guage in high school.)

9. Departmental Exit Requirements

Achieve a minimum 2.5 GPA in all courses within the major.

Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflec-
tion, and proficiency in the 12 Florida Educator Accomplished Practices.

Pass all applicable sections of the Florida Teacher Certification Examination.

10. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 36 hours of course work must be completed in
residency at UCF

25% of course work must be completed in residency at UCF

Complete the General Education Program, the Gordon Rule, the
CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required 120 hrs

Consult with your Education advisor and review your degree audit for
more recent information.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

12. Recommended Four Year Sequence of Courses

Freshman Year
Fall 13 hrs Spring 12 hrs
EDF 2005 Intro to the Teaching Profession 3 hrs EDF 2085 Intro to Diversity for Educators 3 hrs
ENC 1101 English Composition I 3 hrs ENC 1102 English Composition II 3 hrs
PSC 1121 Physical Science 3 hrs PSC 1112L Physical Science Lab 1 hr
RED 4043 Content Reading in Kindergarten thru Grade 12 3 hrs
PSY 2012 General Psychology 3 hrs

Summer 6 hrs
SCE 2040 Intro to Tech for Educators 3 hrs
SCE 2041 American National Gov 3 hrs

Sophomore Year
Fall 14 hrs Spring 13 hrs
AMH 2010 U.S. History 1492-1877 3 hrs AMH 2020 U.S. History 1877-present 3 hrs
BSC 2010C Biology I w/Lab 4 hrs CHM 2046 Chemistry Fund II 3 hrs
CHM 2046C Chemistry Fundamentals I 4 hrs CHM 2046L Chemistry Fund II Lab 1 hr
SPC 1608 Fund of Oral Comm 3 hrs EDF 2130 Child and Adol Dev Ed* 3 hrs
PHY 2053C College Physics I 4 hrs PSY 2101 Intro to Philosophy 3 hrs

*Transfer Notes: Courses taken at community colleges may substitute for select
courses in Other Program Requirements with the permission of the department.

Summer 4 hrs
PHY 2053C College Physics I 4 hrs

Junior Year
Fall 16 hrs Spring 14 hrs
EDF 4467 Learn Theory & Asmt 3 hrs EDF 4410 Teach Strat & Class Mgmt 3 hrs
EDG 4410 Teach Exceptional Students in Secondary Settings 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
RED 4043 Content Reading K-12 3 hrs

University of Central Florida 2009-2010 Undergraduate Catalog
SCIENCE EDUCATION - PHYSICS (B.S.)

College of Education
Department of Teaching and Learning Principles, ED 209
http://education.ucf.edu/science/

Program Coordinator: Dr. Aldrin Sweeney, ED 123L, 407-823-2561
E-mail: asweeney@pegasus.cc.ucf.edu

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program

A. Communication Foundation (9 hrs)
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   2. ENC 1102 English Composition II 3 hrs
   3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundation
   1. Prefer: AMH 2020 U.S. History 1877-present 3 hrs
   2. Prefer: PHI 2010 Introduction to Philosophy 3 hrs
   3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs

C. Mathematical Foundation
   1. Select: MAC 2311 Calculus with Analytic Geometry I or STA 2014C Principles of Statistics 4 hrs
   2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs

D. Social Foundation
   1. Prefer: POS 2041 American National Government 3 hrs
   2. Prefer: PSY 2012 General Psychology 3 hrs

E. Science Foundation
   1. A grade of "C-" (1.75) is required.
   2. Prefer: ANT 2511 The Human Species or Species BSC 1005 Biological Principles 3 hrs

2. Education Common Program Prerequisites (9 hrs)

Students are advised to take the preferred courses.

- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Note: In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Other Program Prerequisites (8 hrs)

- EDF 2130* Child & Adolescent Development for Educators 3 hrs
- PHY 2048 Physics for Engineers and Scientists I 3 hrs
- PHY 2048L Physics Lab for Engineers and Scientists I 1 hr
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr
- MAC 2311 Calculus with Analytic Geometry I 3 hrs

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)

- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students 3 hrs
- RED 4043 Content Reading K-12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

5. Internship I Block (7 hrs)

- SCE 3430 Science Instructional Analysis 4 hrs
- SCE 3940 Internship I 3 hrs

6. Specialization Requirements (29 hrs)

- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals II Lab 1 hr
- MAC 2312 Calculus w/Analytic Geometry II 4 hrs
- MAC 2313 Calculus w/Analytic Geometry III 4 hrs
- PHY 2049 Physics for Engineers & Scientists II 3 hrs
- PHY 2049L Physics Lab for Engineers & Scientists II 1 hr
- PHY 3101 Physics for Engineers & Scientists III 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs
- PHY 3752C Physics of Scientific Instruments or 3 hrs
- PHY 3722C Physics Laboratory Electronics 3 hrs

- At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Physics 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

7. Internship II (12 hrs)

- SCE 4941 Internship II 12 hrs

- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

8. Foreign Language Requirements (0-8 hrs)

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
### UCF Degree Programs

#### 9. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

#### 10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

#### 11. Total Program Semester Hours Required
Consult with your Education advisor and review your degree audit for more recent information.

---

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm](http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm)

### 12. Recommended Four Year Sequence of Courses

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Fall 12 hrs</th>
<th>Spring 16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Intro to the Teaching Profession</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENC 1101 English Composition I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STA 2041C Principles of Statistics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Summer 6 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EME 2040 Intro to Tech for Educators</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>POS 2041 American National Gov</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Fall 14 hrs</th>
<th>Spring 14 hrs</th>
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<tbody>
<tr>
<td>AMH 2010 U.S. History 1492-1877</td>
<td>3</td>
<td>AMH 2020 U.S. History 1877-present</td>
</tr>
<tr>
<td>MAC 2312 Cal w/Analytic Geometry II</td>
<td>4</td>
<td>MAC 2313 Cal w/Analytic Geom III</td>
</tr>
<tr>
<td>PSC 1121 Physical Science</td>
<td>3</td>
<td>EDF 2130 Child and Adolesc Dev Ed*</td>
</tr>
<tr>
<td>PSC 1121 L Physical Science Lab</td>
<td>1</td>
<td>CHM 2045C Chemistry Fund I</td>
</tr>
<tr>
<td>Select one:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANT 2511 The Human Species</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BSC 1005 Biological Principles</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

---

<table>
<thead>
<tr>
<th>Summer 4 hrs</th>
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<tbody>
<tr>
<td>PHY 2049 Physics for Eng &amp; Scientists I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048L Physics Lab for Eng &amp; Sci I</td>
<td>1</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Fall 13 hrs</th>
<th>Spring 13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2046 Chemistry Fund II</td>
<td>3</td>
<td>EDF 4467 Learn Theory &amp; Assmnt</td>
</tr>
<tr>
<td>CHM 204L Chemistry Fund II Lab</td>
<td>1</td>
<td>RED 4043 Content Reading K-12</td>
</tr>
<tr>
<td>EEX 4422 Teaching Exceptional Students in Secondary Settings</td>
<td>3</td>
<td>PHY 2049 Physics Eng &amp; Sci II</td>
</tr>
<tr>
<td>EDG 4410 Teach Strat &amp; Class Mgmt</td>
<td>3</td>
<td>PHY 2049L Physics Lab Eng &amp; Sci 1</td>
</tr>
<tr>
<td>TSL 4080 Theory &amp; Prac of Teach ESL</td>
<td>3</td>
<td>SCE 4361 Prg in Teachng Science</td>
</tr>
<tr>
<td>Students in Schools</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Summer</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PHY 301L Physics for Eng &amp; Scientists III</td>
<td>3</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Senior Year</th>
<th>Fall 13 hrs</th>
<th>Spring 12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603 Anal &amp; Appl of Eth, Legal, &amp; Safe Issues in Sch</td>
<td>3</td>
<td>SCE 4941 Internship II</td>
</tr>
<tr>
<td>SCE 3940 Internship I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SCE 4360 Science Instructional Analysis</td>
<td>4</td>
<td>PHY 3752C Physics of Sci Instruments or 3</td>
</tr>
<tr>
<td>PHY 3722C Physics Lab Electronics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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### Notes:
- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be complet-
ed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program
designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program** (36 hrs)
   - A. Communication Foundation (9 hrs)
     1. ENC 1101 English Composition I | 3 hrs |
     2. ENC 1102 English Composition II | 3 hrs |
     3. Prefer SPC 1608 Fundamentals of Oral Communication | 3 hrs |
   - B. Cultural-Historical Foundation (9 hrs)
     1. Select: AMH 2010 U.S. History 1492-1877 | 3 hrs |
     2. Prefer: PHI 2010 Introduction to Philosophy | 3 hrs |
     3. Select: AMH 2020 U.S. History 1877-present | 3 hrs |
   - C. Mathematical Foundation (6 hrs)
     1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 | 3 hrs |
     2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2041C Principles of Statistics | 3 hrs |
   - D. Social Foundation (6 hrs)
     1. Select: POS 2041 American National Government | 3 hrs |
     2. Select: PSY 2012 General Psychology | 3 hrs |
   - E. Science Foundation (6 hrs)
     1. Prefer: PSC 1121 Physical Science | 3 hrs |
     2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles | 3 hrs |

Note: Students are advised to take the preferred courses.

2. **Education Common Program Prerequisites** (9 hrs)
   - EDF 2005 Introduction to the Teaching Profession | 3 hrs |
   - EDF 2085 Introduction to Diversity for Educators | 3 hrs |
   - EME 2040 Introduction to Technology for Educators | 3 hrs |

Note: In addition to EDF 2085, a minimum of 6 hours with an international or diversi-
fy focus is required. The foreign language admission requirement may be used to meet this requirement.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. **Other Program Requirements** (9 hrs)
   - EDF 2130* Child & Adolescent Development for Educators | 3 hrs |
   - SYG 2000 General Sociology | 3 hrs |
   - ECO 2013 Macroeconomics | 3 hrs |

Note: Student should consult advisor regarding course options.

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. **Education Core Requirements** (18 hrs)
   - EDG 4410 Teaching Strategies and Classroom Mgmt | 3 hrs |
   - EDF 4467 Learning Theory and Assessment | 3 hrs |
   - EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools | 3 hrs |
   - TSL 4080 Theory and Practice of Teaching ESL | 3 hrs |
   - EEX 4242 Teaching Exceptional Students in Secondary Settings | 3 hrs |
   - RED 4043 Content Reading Kindergarten thru Grade 12 | 3 hrs |
5. Internship I Block (6 hrs)
- SSE 4381 Social Science Instructional Analysis 3 hrs
- SSE 3940 Internship I 3 hrs

6. Specialization Requirements (30 hrs)
- SSE 4936 Programs in Teaching Social Science 3 hrs
- GEO 3471 World Political Geography 3 hrs
- Upper Division Non Western History Elective: 3 hrs (LAH, AFH, or ASH prefix courses 3/4XXX)
- Upper Division Political Science Electives (POS, INR, or CPO 3/4XXX) 3 hrs
- Upper Division American History Elective (AMH 3/4XXX) 3 hrs
- Field of Concentration Upper Division Electives 6 hrs (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX)
- ECO 2023 Microeconomics 3 hrs
- EUH 2000 Western Civilization I 3 hrs
- EUH 2001 Western Civilization II 3 hrs
- AMH 2010 U.S. History 1492 – Present 3 hrs
- AMH 2020 U.S. History 1492 – Present 3 hrs
- POS 2041 American National Government 3 hrs
- PSY 2012 General Psychology 3 hrs

7. Internship II (12 hrs)
- SSE 4941 Internship II 12 hrs
- At least 80% of all required social science courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Social Science 5-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalex/.
- Students in Secondary Settings
  - Fall 15 hrs
  - Spring 12 hrs
  - SSE 4361 Soc Science Instr Anal 3
  - EDG 4410 Teach Strat & Class Mgmt 3
  - SSE 4936 Prog Teach Soc Science 3
  - EUH 2001 Western Civilization II 3
  - SSE 3941 Internship I 3

- Students in Schools
  - Fall 12 hrs
  - Spring 12 hrs
  - SSE 4361 Soc Science Instr Anal 3
  - EDG 4410 Teach Strat & Class Mgmt 3
  - SSE 3941 Internship I 3
  - SSE 4936 Prog Teach Soc Science 3
  - EUH 2001 Western Civilization II 3

- Junior Year
  - Fall 15 hrs
  - SSE 4361 Soc Science Instr Anal 3
  - EDG 4410 Teach Strat & Class Mgmt 3
  - SSE 3941 Internship I 3
  - SSE 3941 Internship II 3

- Senior Year
  - Fall 12 hrs
  - SSE 4361 Soc Science Instr Anal 3
  - EDG 4410 Teach Strat & Class Mgmt 3
  - SSE 3941 Internship I 3

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 Pratices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required 120 hrs
- Consult with your Education advisor and review your degree audit for more recent information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeps.ucf.edu/aic/academic_learning_compacts.htm

12. Recommended Sequence of Program Courses:
- Freshman Year
  - Fall 12 hrs
  - SSE 4361 Intro to the Teaching Prof 3
  - ENC 1101 English Composition I 3
  - MGF 1106 Finite Mathematics 3
  - PSY 2012 General Psychology 3
  - SSE 4361 Internship I 3

- Spring 12 hrs
  - EDF 2005 Intro to the Teaching Prof 3
  - ENC 1101 English Composition II 3
  - MGF 1106 Finite Mathematics 3

- Sophomore Year
  - Fall 15 hrs
  - AMH 2010 U.S. History 1492-1877 3
  - ECO 2013 Macroeconomics 3
  - PSC 1121 Physical Science 3
  - SYG 2000 General Sociology 3
  - STA 100C Basic Stat using MS Excel or3

- Spring 12 hrs
  - AMH 2020 U.S. History 1877-present 3
  - ECO 2023 Microeconomics 3
  - EDF 2130 Child and Devol Adl Ed 3
  - PHI 2010 Intro to Philosophy 3

- Junior Year
  - Fall 15 hrs
  - SSE 4361 Soc Science Instr Anal 3
  - EDG 4410 Teach Strat & Class Mgmt 3
  - SSE 3941 Internship I 3

- Senior Year
  - Fall 12 hrs
  - SSE 4361 Soc Science Instr Anal 3
  - EDG 4410 Teach Strat & Class Mgmt 3
  - SSE 3941 Internship I 3

- Spring 12 hrs
  - SSE 4361 Soc Science Instr Anal 3
  - EDG 4410 Teach Strat & Class Mgmt 3
  - SSE 3941 Internship I 3

| Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department. |

- Summer 9 hrs
  - EUN 2000 Western Civilization I 3
  - TSL 4080 Theory & Prac of Teach ESOL 3
  - (CPO, INR, POS 3/4XXX) 3

- Fall 15 hrs
  - SSE 4361 Soc Science Instr Anal 3
  - EDG 4410 Teach Strat & Class Mgmt 3
  - SSE 3941 Internship I 3

- Spring 12 hrs
  - SSE 4361 Soc Science Instr Anal 3
  - EDG 4410 Teach Strat & Class Mgmt 3
  - SSE 3941 Internship I 3

SOCIAL SCIENCES (B.S.)

College of Sciences
Department of Sociology, PH 403, 407-823-3744
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu

Contact: J. Corzine, 407-823-3744

The Social Sciences program offers students an opportunity to become acquainted with the various fields of the Social Sciences and to better understand the relationships among those fields. Satisfactory completion of the program leads to the degree Bachelor of Science with a major in Social Sciences.

The program is administered through the Department of Sociology in the College of Sciences.

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
## UCF Degree Programs

- Students must declare a Social Sciences major prior to their senior year.
- Students should consult with a Sociology advisor when entering the program.
- Co-op and internship credit cannot be used in this major.
- Independent study forms must be approved by the department prior to taking an independent study for use in the Restricted Elective areas. Non-approved independent studies will not be counted towards the major.
- Students must earn at least a “C” (2.0) in each core requirement and restricted elective course.
- Residency Requirement: Students must complete at least 30 hours of regularly scheduled 3000-4000 level courses that are used in the major at UCF.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (36 hrs)

<table>
<thead>
<tr>
<th>Area</th>
<th>Prerequisite</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td></td>
<td>9 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td></td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td></td>
<td>9 hrs</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>Prefer MAC 1105 College Algebra (or higher)</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Select STA 1006C or STA 2014C or STA 2023</td>
<td>3 hrs</td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td></td>
<td>6 hrs</td>
</tr>
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</table>

### 2. Common Program Prerequisites (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013 or POS 2041</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2000 or PSY 2012 or SYG 2000</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*See Transfer Notes*

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### 3. Core Requirements (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1060C or STA 2014C or STA 2023</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*See Transfer Notes*

### 4. Restricted Electives (60 hrs)

- Select a minimum of 15 semester hours in each of the following six Social Science disciplines.
- Select no more than two lower level Social Science courses (designated with an asterisk) in any one area in the Restricted Elective section.
- Programs:
  - Communication:
    - COM 3311 Communication Research Methods | 3 hrs |
    - Select one course | 3 hrs |
  - RTV 3007 Dev & Str of Elect Media and New Tech | 3 hrs |
  - RVU 4403 Electronic Media, Tech. & Soc | 3 hrs |
  - JOU 3004 History of American Journalism | 3 hrs |
    - Select three more Communication courses | 9 hrs |
- Economics:
  - *ECO 2013 Principles of Macroeconomics | 3 hrs |
  - *ECO 2023 Principles of Microeconomics | 3 hrs |
    - Select three more Economics courses | 9 hrs |
- Political Science:
  - *POS 2041 American National Government | 3 hrs |
    - Select four more Political Science courses | 12 hrs |
- Psychology:
  - *PSY 2012 General Psychology | 3 hrs |
  - *PPE 3003 Personality Theory | 3 hrs |
    - Select three more Psychology courses | 9 hrs |
- Public Affairs:
  - Select one course | 3 hrs |
  - CCJ 3024 Criminal Justice System | 3 hrs |
  - PLA 3013 Law and the Legal System | 3 hrs |
  - PAD 3003 Public Administration in Amer Soc | 3 hrs |
    - Additional 12 hours of Public Affairs courses | 12 hrs |
- Sociology/Anthropology:
  - *SYG 2000 General Sociology | 3 hrs |
  - *ANT 2000 General Anthropology | 3 hrs |
    - Select three additional Sociology/Anthropology courses | 9 hrs |

### 5. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in each of four Social Science disciplines.
- Computer Competency is met by the major.
- Before applying to graduate, the CLAST must be completely satisfied.

### 6. Foreign Language Requirements (0-8 hrs)

**Admission:** Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

**Graduation:** Proficiency equivalent to one year of college instruction in either a foreign language, three semesters equivalent of American Sign Language, or one course with a multicultural dimension. Standardized examinations may be used to meet the requirement.

### 7. Electives (variable)

Select primarily from upper level courses, with a Sociology advisor’s approval.

### 8. University Minimum Exit Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

### Total Semester Hours Required: 120 hrs

**Related Programs:** Anthropology, Liberal Arts, Political Science, Public Administration, Psychology, Sociology

**Related Minors:** Anthropology, Communication, Economics, Political Science, Psychology, Public Administration, Sociology

**Transfer Notes:**
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program. The student must provide all supporting information.

**Acceptable Substitutes** for common program prerequisites if taken prior to transferring to UCF:
- Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### SOCIAL WORK (B.S.W.)

**College of Health and Public Affairs**

**HPA 204, 407-823-2114**

**Website:** [http://www.cohpa.ucf.edu/social/](http://www.cohpa.ucf.edu/social/)

**E-mail:** socialwk@mail.ucf.edu

**Director:** John Ronnau

**Undergraduate Program Coordinator:** Robin Kohn

### Admission Requirements

- **Limited Access**
- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the **limited access program** must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
  - Admission to the University
  - A 2.5 overall GPA
  - An AA (from a Florida State Community College) or UCF General Education Program, Gordon Rule, and CLAST
  - 15 semester hours common program prerequisites (see Section 2 below for list of courses)
  - This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

**Degree Requirements**

- Students who are pending Social Work and are admitted to the program must adopt the most current catalog
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work
- Students must complete the General Education Program, the CLAST and the Common Program Prerequisite Requirements before beginning the Social Work Program
- Students must complete all the requirements listed in 1-11 below

1. **UCF General Education Program** (36 hrs)
   - A. Communication Foundations
     - Prefer SPC 1608
   - B. Cultural Historical Foundations
     - 9 hrs
   - C. Mathematical Foundations
     - Select MGF 1106
   - D. Social Foundations
     - 6 hrs
   - 1. Select POS 2041
   - 2. Select PSY 2012
   - E. Science Foundations
     - Select BSC 1005
     - Prefer PSC 1121 or AST 2002
   - F. Science and Technology
     - 9 hrs
   - G. Arts and Humanities
     - 9 hrs
   - H. Foreign Language or Cultural Diversity Requirement
     - 6 hrs
     - Students must complete all the requirements listed in 1-11 below

2. **Common Program Prerequisites** *(15 hrs)*
   - POS 2041 American Government
   - BSC 1005 Biology
   - ECO 2013 or ECO 2023
   - PSY 2012 Psychology
   - SYG 2000 Sociology

3. **Core Requirements** *(45 hrs)*
   - SOW 3104 Assessing I: Human Development
   - SOW 3203 Social Work and Community Resources
   - SOW 3300 Practice I: Generalist Practice in Social Work
   - SOW 3311 Assessing II: Human Systems
   - SOW 3352 Practice II: Interpersonal Skills in Social Work Practice
   - SOW 3401 Social Work Research
   - SOW 3620 Social Work with Diverse Populations
   - SOW 4730 Documentation in Social Work Practice and Service Programs
   - SOW 4232 Social Welfare Policies and Issues
   - SOW 4341 Micro-level Roles and Interventions
   - SOW 4343 Macro-level Roles and Interventions
   - SOW 4510 or SOW 4941 Field Education (for full-time students)
   - SOW 4522 Field Education Seminar
   - SOW 2020 Foreign Language I or Cult. Diversity

4. **Required Social Work Elective** *(3 hrs)*
5. **Required Principles of Statistics** *(3 hrs)*
6. **Electives** *(variable)*

7. **Foreign Language or Cultural Diversity Requirement**
   Choose two of the following suggested courses: ANT 4332, ANT 3363, ANT 2410, ANT 3640, ASH 4404, ASH 4442, CPO 4303, HUM 3401, HUM 3417, HUM 3419, JST 3401, JST 3402, JST 3820, LAH 3130, LAH 3200, LAH 3400, LAH 3470, AMH 3561, AMH 3571, AMH 3586, ANT 3302, ANT 3311, ANT 3313, SOP 3724, SOP 3742, ASL 3444, SYD 3700, EDF 2085, HSC 3593, or see advisor for more options.

8. **Foreign Language Requirements** *(0-8 hrs)*
   **Admissions:** Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

9. **Departmental Exit Requirements** *(120 hrs)*
   - A minimum overall GPA of 2.5 in all social work courses with a minimum grade of “C” (2.0) or higher in each social work course.
   - A minimum overall GPA of 2.5 in all social work courses with a minimum grade of “C” (2.0) in each course.
   - Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 Part time) and to be eligible for graduation from the Social Work Program
   - Students must complete all the requirements listed in 1-11 below
   - Students who are pending Social Work and are admitted to the program must adopt the most current catalog
   - Students must earn an overall GPA of 2.5 in all Social Work courses and complete all the requirements listed in 1-11 below
   - Students must earn an overall GPA of 2.5 in all Social Work courses with a minimum grade of “C” (2.0) or higher in each social work course.
   - Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 Part time) and to be eligible for graduation from the Social Work Program
   - Students must complete all the requirements listed in 1-11 below
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   - Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 Part time) and to be eligible for graduation from the Social Work Program
   - Students must complete all the requirements listed in 1-11 below
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   - Students must complete all the requirements listed in 1-11 below
   - Students who are pending Social Work and are admitted to the program must adopt the most current catalog
   - Students must earn an overall GPA of 2.5 in all Social Work courses with a minimum grade of “C” (2.0) or higher in each social work course.
   - Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 Part time) and to be eligible for graduation from the Social Work Program
   - Students must complete all the requirements listed in 1-11 below
UCF Degree Programs

Sociology (B.A.)

College of Sciences
Department of Sociology, PH 403, 407-823-3744
http://sociology.ucf.edu/
E-mail: sociology@mail.ucf.edu
Contact: J. Corzine, 407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students’ social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentation skills. These are among the top 10 abilities for which today’s employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family. The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

Admission Requirements

- Degree Requirements:
  - Students who change degree programs and select this major must adopt the most current catalog.
  - Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.
  - Students must have a “C” (2.0) or higher in all core courses.
  - Co-op credit cannot be used in this major.
  - Directed Independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.
  - No more than 12 hours of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 6907, 4912, 5917, 3940, 4941) credit may be used for the major.

- Students should consult annually with a departmental advisor.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

A. Communication Foundations (9 hrs)
B. Cultural and Historical Foundations (9 hrs)
C. Mathematical Foundations
  - 1. Prefer MAC 1105 (or higher)
  - 2. Prefer STA 2014C
D. Social Foundations
  - 1. Select a listed course
  - 2. Select SYG 2000
E. Science Foundations (6 hrs)

2. Common Program Prerequisites (3 hrs)

SYG 2000* General Sociology
SYA 3203C Applied Social Statistics
SYA 4200 Data Analysis
SYA 4310 Social Theory

3. Core requirements (15 hrs)

SYA 4450 Data Analysis
SYA 4300C Research Methods
SYA 4650C Applied Sociology
SYA 5937 Advanced Population
SYA 4912 Social Problems
SYA 4906, 5907, 4912, 5917, 3940, 4941

4. Restricted Electives (27 hrs)

Select from the following:
SYA 3120 Modern Sociological Thought
SYA 4650C Applied Sociology
SYA 5625 Proseminar
SYA 5937 Advanced Population
SYA 3410 Urban Sociology
SYA 3700 Race & Ethnic Minorities in the US
SYA 3800 Sex Roles in Modern Society
SYA 4020 Population
SYA 4510 Environmental Sociology
SYA 4810 Women in Contemporary Society
SYA 4813 Women and Social Policy
SYA 5010 Social Problems
SYA 5900 Modern Sociology
SYA 3360 Social Organization & Human Relations
SYA 3410 Sociology of Mental Illness
SYA 3530 Social Stratification
SYA 4100 Family Trends
SYA 4200 Sociology of Religion
SYA 4250 Sociology of Education
SYA 4300 Political Sociology
SYA 4400 Medical Sociology
SYA 3300 Collective Behavior
SYA 3400 Social Change
SYA 3510 Sociology of Deviant Behavior
SYA 3511 Sociology of Murder
SYA 3520 Criminology
SYA 3530 Juvenile Delinquency
SYA 3540 Sociology of Law
SYA 3551 Sociology of Alcoholism
SYA 3562 Sociological Perspectives on Domestic Violence
SYA 3602 Sociology of Popular Music
SYA 3630 Sociology of Popular Culture
SYA 3650 Sociology and Sport
SYA 4000 Sociological Social Psychology
SYA 4004 Constructing Social Issues
SYA 4514 Sociology of Violence
SYA 4521 Criminal Victimization in Society
SYA 4536 Gangs and Society
SYA 4550 Sociology of Drug Abuse
SYA 4730 Sociology of Aging
SYA 4732 Minority Aging
SYA 5525 Sociological Criminology
SYA 4735 Criminal Justice

5. Departmental Exit Requirements

- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of “C” (2.0) in all core courses.
- Computer Competency met by SYA 4450.
- Students will be required to take a standard exit exam in their graduating semester.

*See Transfer Notes
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

E. Science Foundations

- Developments in the social sciences
- Scientific methodology
- Research methods
- Theoretical/conceptual frameworks

F. Social Institutions

- Social organization
- Social policy
- Social change
- Social problems

G. Social Theory

- Social theory
- Social thought
- Social ideology

H. Social Problems

- Social problems
- Social issues
- Social issues treatment

I. Social Policy

- Social policy
- Social policy analysis
- Social policy implementation

J. Social Research

- Social research
- Social research methodology
- Social research design

K. Social Theory

- Social theory
- Social thought
- Social ideology

L. Social Planning

- Social planning
- Social planning methodology
- Social planning design

M. Social Problems

- Social problems
- Social issues
- Social issues treatment

N. Social Policy

- Social policy
- Social policy analysis
- Social policy implementation

O. Social Research

- Social research
- Social research methodology
- Social research design

P. Social Theory

- Social theory
- Social thought
- Social ideology

Q. Social Planning

- Social planning
- Social planning methodology
- Social planning design

R. Social Problems

- Social problems
- Social issues
- Social issues treatment

S. Social Policy

- Social policy
- Social policy analysis
- Social policy implementation

T. Social Research

- Social research
- Social research methodology
- Social research design

U. Social Theory

- Social theory
- Social thought
- Social ideology

V. Social Planning

- Social planning
- Social planning methodology
- Social planning design

W. Social Problems

- Social problems
- Social issues
- Social issues treatment

X. Social Policy

- Social policy
- Social policy analysis
- Social policy implementation

Y. Social Research

- Social research
- Social research methodology
- Social research design

Z. Social Theory

- Social theory
- Social thought
- Social ideology

**NOTE:**

- Some courses listed in the core requirements may also be used to fulfill requirements in other departments.
- Students are encouraged to consult with a departmental advisor to plan their course of study.
- Course prerequisites must be completed prior to enrollment in the required courses.
- Students are encouraged to consult the Undergraduate Catalog for more information.

**Contact:**

E-mail: sociology@mail.ucf.edu

**SOW Elective 3**
6. Foreign Language Requirements (0-8 hrs)

**Admission:** Met by graduation requirement.

**Graduation:** Proficiency equivalent to one year of college instruction in either a foreign language, or three semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor’s approval. These courses may be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

**Related Programs:** Anthropology, Criminal Justice

**Related Minors:** African-American Studies, American Studies, Anthropology, Anthropology in Multicultural Studies, Asian Studies, Canadian Studies, Judaic Studies, Latin American Studies, Russian Area Studies, Sociology, and Women’s Studies

**Transfer Notes:**
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).
- SYG 2000*: although the CPP accepts any lower division sociology course, students should realize that SYG 2000 is a prerequisite for subsequent courses.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student ........................................... $15 per term
- Part-time Student ........................................... $7.50 per term

Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by electives in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

**Summer**

Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

**Freshman Year**

<table>
<thead>
<tr>
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<th>Spring</th>
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<tr>
<td>ENC 1101 Comp I</td>
<td>ENC 1102 Comp II</td>
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<tr>
<td>MAC 1105* req# 1C1-GEP</td>
<td>STA 2014C Prin of Statistics</td>
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<tr>
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<td>SYG 2010 Social Problems</td>
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<tr>
<td>POS 201* req# 1D1-GEP</td>
<td>SPN 1121C* req# Lang/Elect</td>
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<td>PHI 2010* req# 1B3-GEP</td>
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<td>SYA 4300C Res Methods</td>
<td>SYA 3110 The Dev of Soc Tht</td>
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<td>SYD 3410* req# 4-ResElect</td>
<td>SYA 4450 Data Analysis</td>
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<td>SYA 3400C Res Meth &amp; Stat</td>
<td>SYA 4100* req# 4-ResElect</td>
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Senior Year

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<td>3 SYP 3510* req# 4-ResElect</td>
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<tr>
<td>SYO 3550* req# 4-ResElect</td>
<td>3 SYP 3530* req# 4-ResElect</td>
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**SPANISH (B.A.)**

College of Arts and Humanities

Department of Modern Languages & Literatures

CNH 523

http://mall.cah.ucf.edu/

E-Mail: forlang@mail.ucf.edu

Contact: P. Giordano, 407-823-2472

**Admission Requirements**

**Placement in Language courses**

- Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year.
- Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

**Degree Requirements**

Students who change degree programs and select this major must adopt the most current catalog.

- 36 credits in Spanish must be taken at the 3000 level or above
- At least 6 of the 36 Spanish credits must be at the 4000 level
- At least 30 hours must be taken in Modern Language courses taught in Spanish.
- Students must earn at least a “C” (2.0) in each upper division Spanish course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. **UCF General Education Program**

   (36 hrs)

   **A. Communication Foundations**
   - 9 hrs

   **B. Cultural and Historical Foundations**
   - 9 hrs

   **C. Mathematical Foundations**
   - 6 hrs

   **D. Social Foundations**
   - 6 hrs

   **E. Science Foundations**
   - 6 hrs

2. **Common Program Prerequisites**

   (0-14 hrs)

   - SPN 1120C* Elem Spanish Lang & Civ I
   - SPN 1121C* Elem Spanish Lang & Civ II
   - SPN 2200* Intern Spanish Lang & Civ II
   - SPN 3234* Advanced Directed Readings

   *May be met by proficiency test or completion of SPN 3234

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. **Core requirements**

   (15 hrs)

   - SPN 3300* Adv Spanish Gram and Comp
   - SPN 3420* Spanish Composition
   - SPN 3760* Adv Spanish Oral Comm
   - SPW 3010 & 3101 Survey of Spanish Literatures
   - SPW 3130 & 3131 Survey of Latin-American Literature

   *A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.
4. Upper Division Restricted Electives (21 hrs)
a. Select one of the following
   - FOL 3730 Romance Philology
   - SPN 4801 Spanish Morphosyntax
   - SPN 4800 Spanish American Syntax
   - SPN 4780 Spanish Phonetics
   - SPN 3852 Bilinguismo
b. Spanish literature beyond the survey level (taught in Spanish)
   - SPN 3800 Spanish American Syntax
   - SPN 4801 Spanish Morphosyntax
   - SPN 4800 Spanish American Syntax
   - SPN 4780 Spanish Phonetics

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 120 hrs

Suggested Plan of Study:

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

Fall
- ANT 2000* req# 1D2-GEP 3
- ENC 1101 Composition I 3
- MGF 1106* req# 1C1-GEP 3
- SPN 1120C* req# 2-CPP 4
- Elective* Check restrictions 3

Spring
- ANT 2000* req# 1D2-GEP 3
- ENC 1102 Composition II 3
- STA 1060C* req# 1C2-GEP 3
- SPN 1121C* req# 2-CPP 4
- Elective* Check restrictions 4

Sophomore Year

Fall
- AMH 2010* req# 1B1-GEP 3
- ARH 2050* req# 1B3-GEP 3
- POS 2041* req# 1D1-GEP 3

Spring
- ENC 1005* req# 1E2-GEP 3
- MUL 2010* req# 1B2-GEP 3
- COM 1000* req# 1A3-GEP 3

Sports and Fitness (B.S.)

College of Education
Department of Child, Family and Community Sciences
ED 209
http://pegasus.cc.ucf.edu/~sportfit/
Program Coordinator: Dr. Debby Mitchell, ED 320H
E-mail: mitchell@mail.ucf.edu

Admission Requirements

- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.0 overall GPA.
- Meet the University CLAST or CLAST alternative criteria.
- Complete program prerequisite courses prior to admission to the major and upper level courses.

Degree Requirements

- Students should consult with an advisor on a regular basis. The courses designated in 1. (General Education), 2. (Sports and Fitness Lower Division), and 3. (Lower Division Electives) should be completed prior to admission to the major and upper division courses.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a "C-" (1.75) in each required course and maintain an overall GPA of at least a 2.0.
- Prior to participation in Sports and Fitness Practicum I and Practicum II listed below, students must have achieved admission into one of the areas of specialization listed and described below.
- Students must meet with their advisor prior to enrollment in Sports and Fitness Practicum I and Practicum II to complete departmental application and approval process of the organization with which they will be working.

UCF General Education Program (36+1 hrs)

A. Communication Foundation (9 hrs)
- 1. ENC 1101 English Composition I 3
- 2. ENC 1102 English Composition II 3
- 3. Prefer SPC 1101 English Composition I

B. Cultural-Historical Foundation (9 hrs)
- 1. Prefer: AMH 2010 U.S. History 1492-1877 3
- 2. Elective from CFP section B 2 3

C. Mathematical Foundation (6 hrs)
- 1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3
- 2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2041C Principles of Statistics 3

D. Social Foundation (6 hrs)
- 1. Prefer: POS 2041 American National Government 3
- 2. Prefer: PSY 1002 General Psychology 3

Environment Foundation (7 hrs)
- 1. Prefer: PSC 1121 Physical Science 3
- 2. Select: BSC 2010C Biology I 4
2. Lower Division Electives (13 hrs)

Students may select other electives but are advised to take the following courses to improve their preparation for their specialization. (Choose courses with prefixes: PEL, PEM, PET, DAE, HFT, EEX, EDF, EDG, HSC, HUN, CHM)

PET 3737 Concepts and Practices in Sports and Fitness 3 hrs

Note: Students who transfer from another institution may be permitted to take the prerequisite course, PET 3137-Concepts and Practices, concurrently with the remaining core classes in their first term of enrollment in the Sports and Fitness program.*

3. Sports and Fitness Pre-requisite Courses (3 hrs)

PET 3137 Concepts and Practices in Sports and Fitness 3 hrs

Note: PET 3137 is required for transfer students to enter the program.

4. Sports and Fitness Co-requisite Courses (7 hrs)

PET 2622C Human Injuries 3 hrs
ZOO 3736C Exercise Physiology Anatomy 4 hrs

Note: BSC 2093C and PET 2622C may be taken at a community college to meet UCF Sports and Fitness co-requisite requirements. BSC 2093C may substitute for ZOO 3736C if taken at a community college.

5. Sports & Fitness Core (9 hrs)

SPM 3504 Fiscal and Facilities Issues in Sports and Fitness 3 hrs
PET 4401 Administration & Evaluation in Physical Education 3 hrs
SPM 4723 Legal Issues in Sports and Fitness 3 hrs

6. Specialization (33 hrs)

Select one Specialization and Electives — approved by advisor

Coaching

PET 3765 Coaching Theory 3 hrs
PET 3771 Fitness and Conditioning Concepts 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4312 Biomechanics 3 hrs
PET 4763 Coaching Methods and Principles 3 hrs
SPM 3204 Sports and Ethics 3 hrs
SPM 3415 Public Relations in Sports and Fitness 3 hrs

Coaching Specific Class

Select one (as approved by advisor) 3 hrs
PEO 2624 Coaching Basketball
PEO 3324 Coaching Volleyball
PEO 3644 Coaching Football

Select nine hours of electives (as approved by Advisor) 9 hrs

Fitness Training

PET 3361 Nutrition for Sports and Fitness 3 hrs
PET 3771 Fitness and Conditioning Concepts 3 hrs
PET 3768 Group Exercise Instruction 3 hrs
PET 4083 Practical Fitness Training 3 hrs
PET 4351C Applied Exercise and Human Physiology 3 hrs
PET 4550 Fitness Assessment 3 hrs
PET 4312 Biomechanics 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
SPM 3415 Public Relations in Sports and Fitness 3 hrs

Select six hours of electives (as approved by Advisor) 6 hrs

Physical Activity & Movement for Children

DAE 3370 Dance and Rhythms 3 hrs
PEO 3041 Games Analysis 3 hrs
PET 3820 Teaching Sports Skills I 3 hrs
PET 4050C Motor Development and Learning 3 hrs
PET 4312 Biomechanics 3 hrs
PET 4351C Applied Exercise and Human Physiology 3 hrs
PET 4550 Fitness Assessment 3 hrs
PET 4550 Fitness Assessment 3 hrs

Select twelve hours of electives (as approved by Advisor) 12 hrs

Physical Human Performance

PET 3361 Nutrition for Sports and Fitness 3 hrs
PET 3771 Fitness and Conditioning Concepts 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4312 Biomechanics 3 hrs
PET 4351C Applied Exercise and Human Physiology 3 hrs
PET 4550 Fitness Assessment 3 hrs
PET 4625 Human Injuries - Mechanisms and Prevention 3 hrs

Select twelve hours of electives (as approved by Advisor) 12 hrs

Recreation

PEO 3041 Games Analysis 3 hrs
PET 3765 Coaching Theory 3 hrs
PET 3820 Teaching Sports Skills I 3 hrs
PET 3771 Fitness and Conditioning Concepts 3 hrs

Students must complete three certifications approved by advisor prior to graduation (these certifications will be determined in PET 3137-Concepts and Practices in Sports and Fitness course).

7. Sports & Fitness Practica (18 hrs)

PET 4925 Sports and Fitness Practicum I 6 hrs
PET 4826 Sports and Fitness Practicum II 12 hrs

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 active professional experiences and practical hands-on knowledge of the career in which they have chosen to work. The design of Practicum I will be that of an observational and analytical role. During Practicum II, the student will be given responsibilities and assignments through the organization in which they have been placed and will carry an active role in the operation of the organization.

In both Practicum I and Practicum II, the student will be working directly with a Placement Coordinator in the organization and their University Supervisor. The University Supervisor will maintain periodic contact with the Placement Coordinator to check performance status. The Sports and Fitness program has developed tremendous opportunities through associations with partners in the Clermont and greater Orlando areas. Students will not be limited to these organizations. Students will have the option to arrange their own practicum experience if they choose. In either case, before enrolling in either Practicum I or Practicum II, students must meet with their advisor to provide organization contact information and gain Practicum Placement Approval.

The students will be instructed that they will be representing not only themselves while on site during their Practicum experiences, but also the University of Central Florida and the Sports and Fitness Program. Professionalism in manner, dress and job performance will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their University Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action will be developed. If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

8. Foreign Language (0-8 hrs)

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

9. Exit Requirements

- A minimum overall GPA of 2.5.
- 48 semester hours of upper division credit completed.
- 30 semester hours in regular courses completed at UCF.
- Complete three Specialization Certifications.
- Participation in event operations of a minimum of one major sports and fitness event.
- Successful completion of 18 hours of Practicum Experiences.

10. Total Program Semester Hours Required 120 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm

11. Recommended Four-Year Sequence of Courses

Freshman Year

Fall
Pet 3012 General Psychology 3 hrs
PSY 2012 General Psychology 3 hrs
Fall 12 hrs

Spring
POG 2041 American National Gov 3 hrs
ENC 1101 English Composition I 3 hrs
Spring 15 hrs

Freshman Year

Fall
PSY 2012 General Psychology 3 hrs
PSY 2012 General Psychology 3 hrs
Fall 12 hrs

Spring
ENC 1101 English Composition I 3 hrs
ENC 1101 English Composition I 3 hrs
Spring 15 hrs

Sophomore Year

Fall
PET 2622C Human Injuries 3 hrs
PET 2622C Human Injuries 3 hrs
Fall 12 hrs

Spring
PET 3137 Concepts and Practices in Sports and Fitness 3 hrs
PET 3137 Concepts and Practices in Sports and Fitness 3 hrs
Spring 15 hrs

Freshman Year

Fall
GEP B.1 3 hrs
STA 1060C Basic Stats using MS Excel or 3 hrs
Fall 12 hrs

Spring
PET 2622C Human Injuries 3 hrs
PET 2622C Human Injuries 3 hrs
Spring 15 hrs

Graduate Year

Fall
PET 3137 Concepts and Practices in Sports and Fitness 3 hrs
PET 3137 Concepts and Practices in Sports and Fitness 3 hrs
Fall 12 hrs

Spring
PET 2622C Human Injuries 3 hrs
PET 2622C Human Injuries 3 hrs
Spring 12 hrs

Graduate Year

Fall
PET 3137 Concepts and Practices in Sports and Fitness 3 hrs
PET 3137 Concepts and Practices in Sports and Fitness 3 hrs
Fall 12 hrs

Spring
PET 2622C Human Injuries 3 hrs
PET 2622C Human Injuries 3 hrs
Spring 12 hrs

Graduate Year

Fall
PET 3137 Concepts and Practices in Sports and Fitness 3 hrs
PET 3137 Concepts and Practices in Sports and Fitness 3 hrs
Fall 12 hrs

Spring
PET 2622C Human Injuries 3 hrs
PET 2622C Human Injuries 3 hrs
Spring 12 hrs

Graduate Year

Fall
PET 3137 Concepts and Practices in Sports and Fitness 3 hrs
PET 3137 Concepts and Practices in Sports and Fitness 3 hrs
Fall 12 hrs

Spring
PET 2622C Human Injuries 3 hrs
PET 2622C Human Injuries 3 hrs
Spring 12 hrs

Graduate Year
UCF Degree Programs

Summer 6 hrs
GEP B.2 3 hrs
Elective 3 hrs

Junior Year
Fall 12 hrs
SPM 4723 Legal Issues in Sports & Fit 3 hrs
PET 4401 Administration & Evaluation 3 hrs
SPM 3504 Fiscal and Facilities 3 hrs
Specialization course 3 hrs
Specialization course 3 hrs
Specialization course 3 hrs

Spring 15 hrs
 PET 4925 Sports & Fit Practicum I 6 hrs
 PET 4926 Sports & Fit Practicum II 12 hrs

Senior Year
Fall 15 hrs
PET 4025 Sports & Fit Practicum I 6 hrs
PET 4925 Sports & Fit Practicum I 6 hrs
Specialization course 3 hrs
Specialization course 3 hrs
Specialization course 3 hrs

Summer 3 hrs
Specialization course 3 hrs

Total Semester Hours Required 120 hrs

Statistics (B.S.)
College of Sciences
Department of Statistics and Actuarial Science
CC II 212, 407-823-2289
http://www.cos.ucf.edu/statistics
E-mail: statistics@ucf.edu
Contact: Xiaogang Su, 407-823-2940

Admission Requirements
none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- All statistics courses except STA 2023, STA 3032, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics and Actuarial Science Department.
- Students must earn at least a “C” (2.0) in each STA course.
- A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 +3 hrs)

- Communication Foundations 9 hrs
- Cultural and Historical Foundations 9 hrs
- Mathematical Foundations 7 hrs
- Select STA 2023
- Social Foundations 6 hrs
- Science Foundations 8 hrs
- Select PHY 2053C or CHM 2045C*
- Select BSC 2010C

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C

2. Common Program Prerequisites (7 hrs)

- COP 6022C* or COP 6025* 3 hrs
- MAC 2311 Calculus with Analy Geo I 4 hrs
- MAC 2312 Calculus with Analy Geo II 4 hrs
- BSC 2010C* Biology I 3 hrs

*See Transfer Notes for possible substitutes

3. Core Requirements (51 hrs)

- STA 3023 Statistical Methods I 3 hrs
- STA 4102 Computer Processor of Stat Data 3 hrs
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- MAC 2313 Calculus with Analy Geo III 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs

4. Restricted Electives (6 hrs)

- Select from upper division or graduate statistics (e.g., STA 5205, STA 5025), mathematics, or computer science courses

5. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each STA course.
- Select SOA Exam P (Probability) and report the score to the department.
- Computer Competency met by STA 4102.
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)

- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation: none

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed (Note: Statistics majors may count MAC 2313 as upper division credit.)
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Mathematics, Mathematics Education, Actuarial Science Track

Related Minors: Statistics, Mathematics

Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

CHM 2045C or PHY 2053C

GEP

- COP 3223* Intro to Programming in C* 3 hrs

*May substitute an approved programming language course

- Select one course
  - MAS 3106 Linear Algebra
  - MAS 3105 Linear and Matrix Algebra
  - Select one course
  - COT 3100C Introduction to Discrete Structure
  - MHF 3302 Logic and Proof in Mathematics
  - Select three from among the following:
    - STA 3096 Statistical Graphics
    - STA 4173 Biostatistical Methods
    - STA 4221 Sample Survey Methods
    - STA 4502 Nonparametric Stat Methods
    - STA 4504 Categorical Data Analysis
    - STA 4684 Statistical Quality Control
    - STA 4852 Applied Time Series
  - Select a third course and associated lab
  - BSC 2011C Biology II (PR: BSC 2010C)
    - CHM 2045C* Chemistry Fundamentals I (if not taken in GEP)
    - CHM 2046 & 2046L Chemistry Fundamentals II & Lab (PR: CHM 2045C)
    - PHY 2053C College Physics I (if not taken in GEP)
    - PHY 2054C College Physics II (PR: PHY 2053C)

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C

- Select one course
  - Select any science course from the College of Arts & Humanities or the College of Sciences or any 3000-4000 level science course from either the College of Health & Public Affairs or the College of Medicine Burnett School of Biomedical Sciences
This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers, and community colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have a common goal of attaining a bachelor’s degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

### 1. UCF General Education Program* (36 hrs)
- **Communication Foundation** (9 hrs)
  - 1. ENC 1101 English Composition I 3 hrs
  - 2. ENC 1102 English Composition II 3 hrs
  - 3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
- **Cultural-Historical Foundation** 9 hrs
  - A. Historical Studies
  - B. Government
- **Mathematical Foundation** 6 hrs
  - 1. Math Gen Ed Requirement
- **Social Foundation** 6 hrs
  - 1. Social Studies
  - 2. Social Studies
  - 3. Social Studies
  - 4. Social Studies
- **Science Foundation** 6 hrs
  - 1. Science Foundation
  - 2. Science Foundation

### 2. Common Program Prerequisites (9 hrs)
- **EDF 2005** Introduction to the Teaching Profession 3 hrs
- **EDF 2085** Introduction to Diversity for Educators 3 hrs
- **EME 2040** Introduction to Technology for Educators 3 hrs

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### 3. Program Core Requirements (27 hrs)
- **EVT 3365** Gen Method/Test Eval 3 hrs
- **EVT 3062** Professional Role Voc Ed Teacher 3 hrs
- **EVT 3502** Special Needs Voc Ed Students 3 hrs
- **EVT 4065** PingoPrac Technical Ed 3 hrs
- **EVT 4368** Adv Teach/Techniques in Voc Ed 3 hrs
- **EVT 3367** Eval Vocation Training 3 hrs
- **EVT 4169** Curr Dev of Ind Training 3 hrs
- **ADE 4382** Teaching Adult Learners 3 hrs

#### Select one:
- EVT 3312 Course Const Health Occ Ed or
- EVT 3371 Course Const Industrial Ed or
- DTE 4410 Course Const Business Ed

### 4. Technical 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 the student will be submitted for credit.

### 5. Upper Division Electives (6 hrs)
(with advisor’s approval)

### 6. Directed Field Experience (12 hrs)
- The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

### 7. Foreign Language Requirements (0-8 hrs)
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### 8. Departmental Exit Requirements*
- Achieve a minimum 2.5 GPA in all courses within the major.

### 9. University Minimum Exit Requirements
- A. 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See http://www.theatre.ucf.edu for details and to schedule an appointment.

Degree and Technology and Stage Management tracks require an interview and portfolio review. The portfolio need not be expensive and should contain no more than fifteen examples of the student’s best work representing a variety of mediums including theatre work, drawing, painting, or other related projects. Three-dimensional pieces should be submitted in photo format. Stage Management majors should prepare a prompt book for presentation at their interview. See http://www.theatre.ucf.edu for details and for information on scheduling an appointment.

All Acting students must submit a resume, black and white head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.

All Design and Technology and Stage Management students must submit a resume, black and white photo, three letters of recommendation, and transcripts of previous college work at the time of interview.

All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.

Departmental scholarship applications are due by March 1.

Students may request a scholarship application prior to their audition/interview by contacting the Area Coordinator, or they may complete the application at their audition/interview.

The BFA plan of study requires a fall start for proper course sequencing. Students are not accepted to begin in the Spring or Summer semesters.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.

Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.

Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted.

Continuation in the BFA program requires positive BFA reviews by the faculty.

Co-op credit cannot be used in this major.

Students must consult with a departmental advisor before registering each semester. Students who do not consult with their department advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. Repeated failure to consult with a departmental advisor may lead to release from the program.

Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

Prior to graduation, all BFA acting majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, one must be a front of house assignment, and the final one can be chosen by the student.

Prior to graduation, all BFA Design and Technology and Stage Management majors (including transfers) must participate in at least 5 productions in addition to their Stagecraft 1 and 2 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.

THEATRE (B.F.A.)

College of Arts and Humanities
Department of Theatre, UTC 180, 407-823-2862
http://www.theatre.cah.ucf.edu

Acting: Be Boyd, 407-823-2862, E-mail: bbboyd@mail.ucf.edu
Design & Technology and Stage Management: Bert Scott, 407-823-2862, E-mail: hscott@mail.ucf.edu

The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation. 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 experiences with classroom exploration.

Admission Requirements

Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.

The departmental faculty evaluates students desiring to become BFA majors via an interview and either audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at http://www.theatre.ucf.edu.
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 transfer credit and to determine the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.

Design and Technology Students are required to take ARH 2051 as part of their GEP and are strongly encouraged to take ARH 2050 as an elective as early in their academic career as possible. Transfer students who have not completed ARH 2051 must complete the course at UCF.

Design and Technology Students are required to take at least two level one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level two design or technical direction elective course.

All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a ’0’ credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

Students must follow the most recent department student handbook.

Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Courses designated 1 (General Education Program) are taken throughout all four years.

1. UCF General Education Program (36 hrs)

   A. Communication Foundations
   - TPP 2110C Voice Production I 3 hrs
   - TPP 2112C Voice Production II 2 hrs
   - TPP 2113C Voice Production III 2 hrs
   - TPP 3703C Voice Production IV 2 hrs

   B. Cultural and Historical Foundations
   - Select one course from 1.B.1 list 3 hrs
   - Select THE 2020 Survey of Theatre for Majors 3 hrs
   - Design and Technology Students - Select ARH 2051 (History of Western Art II) 3 hrs

   C. Mathematical Foundations
   - Select MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math) 3 hrs
   - Select STA 1060 Statistics Using Excel 3 hrs

   D. Social Foundations
   - TPP 2110C Voice Production I 2 hrs
   - TPP 2200C Stage Management and Stagecraft 1 hr
   - TPP 2210L Stagecraft I LAB 3 hrs
   - TPP 2220C Stage Electronics 3 hrs
   - TPP 2230C Stage Management Basics 3 hrs

   E. Science Foundations
   - TPP 2110C Voice Production I 3 hrs
   - TPP 2200C Stage Management and Stagecraft 1 hr
   - TPP 2210L Stagecraft I LAB 3 hrs

2. Common Program Prerequisites (18 hrs)

   THE 2020* Survey of Theatre for majors 3 hrs
   THE 2300* Script Analysis 3 hrs
   THE 2090L Theatre Participation - Management I 3 hrs
   TPA 2210L Theatre Participation - Production I 3 hrs
   TPA 2210L Theatre Participation - Performance I 3 hrs
   TPA 2210C Stagecraft I 3 hrs
   TPA 2211L Stagecraft II LAB 3 hrs
   TPA 2211C Stagecraft II 3 hrs
   TPA 2493L Theatre Participation - Production II 3 hrs
   TPA 2493L Theatre Participation - Performance II 3 hrs
   TPA 2493L Theatre Participation - Production II (1 credit course, must be taken twice) 3 hrs
   TPA 4401C Theatre Careers for Tech/Management 3 hrs
   TPA 4400C Theatre Management 3 hrs
   TPA 4250C ADD for Theatre 3 hrs
   TPA 4250C Theatre Internship 6 hrs

3. Core Requirements (9 hrs)

   THE 3311 Theatre History and Dramatic Literature I 3 hrs
   THE 3312 Theatre History and Dramatic Literature II 3 hrs
   THE 3313 Theatre History and Dramatic Literature III 3 hrs

4A. Specialization: select one area (66 hrs)

   Acting Specialization
   - TPA 2201 Technical Theatre Production 3 hrs
   - TPA 2201L Technical Theatre Production LAB 2 hrs
   - TTP 2170C Acting II - The Actor Prepares 2 hrs
   - TTP 2240C Makeup Techniques 2 hrs
   - TPP 2170L Acting II - The Actor Prepares Lab 2 hrs
   - TPP 2710C Voice Production I 3 hrs

   Musical Theatre
   - TPP 3703C Voice Production IV 3 hrs
   - TPP 4140C Acting IV - Creating the Role 3 hrs
   - TPP 4142C Acting V - Verse 3 hrs
   - TTP 4225C Acting VI for TV/Film 3 hrs
   - TTP 4531C Period Movement 2 hrs
   - TTP 4940L Theatre Internship 6 hrs
   - TTP 4955L Acting VII for TV/Film 3 hrs
   - TPP 4221 Auditioning 3 hrs
   - TPP 4223C Theatre Careers for Performance 3 hrs
   - DAA 2570C Jazz Dance I or 2 hrs
   - DAA 2100C Modern Dance I 2 hrs
   - TPP 4293L – or – THE 4093L – or – TPP 4193L 1 hr
   - RestRICTed electives (see list of courses) 12 hrs

Stage Management Specialization

   TPA 2211 Stagecraft I 3 hrs
   TPA 2110 Stagecraft I LAB 1 hr
   TPA 2211 Stagecraft II 3 hrs
   TPA 2211L Stagecraft II LAB 1 hr
   TPA 4293L Theatre Participation - Production II 3 hrs
   TPA 4293L Theatre Participation - Performance II 3 hrs
   TPA 4400C Theatre Management 3 hrs
   TPA 2297C Theatre Careers for Tech/Management 3 hrs
   TPA 4255C ADD for Theatre 2 hrs
   RestRICTed electives (see list of courses) 12 hrs

Design and Technology Specialization

   ARH 2051 Art History II 3 hrs
   TPA 2210 Stagecraft I LAB 1 hr
   TPA 2211 Stagecraft II 1 hr
   TPA 2211L Stagecraft II LAB 1 hr
   TPA 2220C Stage Electronics 3 hrs
   TPA 4293L Theatre Participation - Production II 3 hrs
   TPA 4293L Theatre Participation - Performance II 3 hrs
   TPA 4401C Theatre Careers for Tech/Management 3 hrs
   TPA 4250C ADD for Theatre 2 hrs
   TPA 4250C Theatre Internship 6 hrs
   TPA 4401C Theatre Careers in Production 3 hrs
   Design Electives (see list of courses) 9 hrs
   RestRICTed electives (see list of courses) 11 hrs

4B. Restricted Electives (except where required by a specialization - see specializations for credit hours)

   Chose from the following

   TTP 4400C Theatre Management 3 hrs
   TTP 4250C Stage Direction 3 hrs
   TTP 4250C Theatre Production and Stagecraft 1 hr
   TTP 4230C Costume Construction 3 hrs
   TTP 4250C ADD for Theatre 2 hrs
   TTP 4250C Theatre Internship 6 hrs
   TTP 4260C Theatre Careers in Production 3 hrs
   Design Electives (see list of courses) 9 hrs
   RestRICTed electives (see list of courses) 11 hrs

   UCF Degree Programs

UCF Degree Programs
UCF Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>TPA 3040C</td>
<td>Costume Design for Theatre I</td>
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<td>TPA 3211C</td>
<td>Lighting Design for Theatre I</td>
<td>3 hrs</td>
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<td>TPA 3260C</td>
<td>Sound Design for Theatre I</td>
<td>3 hrs</td>
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<td>TPA 4041C</td>
<td>Costume Design for Theatre II</td>
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<td>TPA 4224C</td>
<td>Lighting Design for Theatre II</td>
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<td>TPA 4264C</td>
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<td>TPA 4384C</td>
<td>Advanced Topics in Technical Theatre</td>
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<td>Summer Theatre Studio/Technical Theatre I</td>
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<td>Summer Theatre Studio/Design I</td>
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<td>Theatre Management</td>
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<td>Summer Theatre Performance</td>
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<td>TPP 3952L</td>
<td>Summer Studio Performance</td>
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<td>TPP 4368C</td>
<td>Acting VII for TV/Film</td>
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<td>THE 4284</td>
<td>Costume, Architecture, Decor History I</td>
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<td>THE 4285</td>
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<td>TPP 4143C</td>
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<td>History of Western Art I</td>
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<td>TPA 2248C</td>
<td>Makeup Technique</td>
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<td>THE 2025*</td>
<td>Introduction to Theatrical Design</td>
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<td>TPA 4111C</td>
<td>Advanced Directing</td>
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<tr>
<td>TPA 4133L</td>
<td>Theatre Participation - Performance II</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 3905*</td>
<td>Independent Study</td>
<td>1-9 hrs</td>
</tr>
<tr>
<td>DAA 3905*</td>
<td>Independent Study</td>
<td>1-9 hrs</td>
</tr>
<tr>
<td>THE 4912*</td>
<td>Undergraduate Research</td>
<td>3-6 hrs</td>
</tr>
<tr>
<td>DAA 4912*</td>
<td>Undergraduate Research</td>
<td>3-6 hrs</td>
</tr>
<tr>
<td>Honors in the Major Directed Readings and Thesis*</td>
<td>3-6 hrs</td>
<td></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
- Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
- Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards 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 coursework must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 129 hrs

Related Programs: Art, Film, Music, Theatre Studies BA

Transfer Notes:

- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- THE 2020: may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
- THE 2304: may use THE 2300
- TPA 2210: may use TPA 2210 or TPA 2201
- TPA 2201: may use TPA 2200 or TPA 2210
- TPP 3310C: may use TPP 2300

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/al/academic_learning_compacts.htm

Equipment Fee

- Full-time Student ........................................... $90 per term
- Part-time Student ........................................... $45 per term

THEATRE - MUSICAL THEATRE TRACK (B.F.A.)

College of Arts and Humanities

Department of Theatre, UTC 180, 407-823-2862
http://www.theatre.cah.ucf.edu

The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre.

Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

Admission Requirements

- Entrance into most theatre classes is restricted to majors.
- Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at http://www.theatre.ucf.edu.
- A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit http://www.theatre.ucf.edu for details.
- All students must submit a resume, black and white head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by March 1. Students may request a scholarship application prior to their audi-
tion by contacting the Area Coordinator, or they may complete the application at their audition.

- The Musical Theatre plan of study requires a fall start for proper course sequencing. Students are not accepted to begin in the Spring or Summer semesters.

**Degree Requirements**

- Students who choose degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program.
- Continuation in the BFA program requires a positive annual BFA Review.
- Co-op cannot be used in this major.
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their departmental advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a departmental advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- Prior to graduation, all BFA Musical Theatre majors must participate in at least four productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.
- All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audit and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to determine the length of their program of study.
- We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbook.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- Courses designated 1 (General Education Program) are taken throughout all four years.

### 1. UCF General Education Program (36 hrs)

| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 3 hrs |
| Select one course from 1.B.1 list | 3 hrs |
| Select one course from 1.B.1 or 1.B.2 list | 3 hrs |

### 2. Common Program Prerequisites (18 hrs)

| THE 2020* Survey of Theatre for majors | GEP 3 hrs |
| THE 2304* Script Analysis | 3 hrs |
| THE 2090L Theatre Participation - Management I | 1 hr |
| TPP 2290L Theatre Participation - Production I | 1 hr |
| TPP 2190L Theatre Participation - Performance I | 1 hr |
| THE 2291* Technical Theatre Production | 2 hrs |
| TPP 2290L Technical Theatre Production Lab | 1 hr |
| TPP 3310C Acting I - Introduction | 3 hrs |
| TPP 2170C Acting II - The Actor Prepares | 3 hrs |

*See Transfer Notes for possible substitutes.

### 3. Specialization: Lower Division (20 hrs)

- MUT 1121 Music Theory and Musicianship I | 4 hrs |
- MUT 1122 Music Theory and Musicianship II | 4 hrs |
- DAA 2200C Ballet I | 2 hrs |
- DAA 2201C Ballet II | 2 hrs |
- DAA 2570C Jazz Dance I | 2 hrs |
- DAA 2571C Jazz Dance II | 2 hrs |
- DAA 2520C Tap Dance I | 2 hrs |
- TPA 2248C Make-up Techniques | 2 hrs |

### 4. Specialization: Upper Division (51 hrs)

- TPP 3172C Acting III - Building the Character | 3 hrs |
- TPP 4140C Acting IV - Creating the Role | 3 hrs |
- TPP 3250C Musical Theatre Acting Perf I | 3 hrs |
- TPP 3252C Musical Theatre Acting Perf II | 3 hrs |
- TPP 4253C Musical Theatre Acting Perf III | 3 hrs |
- THE 4244 Musical Theatre History I | 3 hrs |
- THE 4245 Musical Theatre History II | 3 hrs |
- TPP 4223C Theatre Careers for Performance | 3 hrs |
- THE 3311 Theatre History and Dram. Lit I | 3 hrs |
- THE 3312 Theatre History and Dram. Lit II | 3 hrs |
- TPA 4293L - THE 4093L - TPP 4100L | 1 hr |
- TPP 3257C Musical Theatre Voice I | 2 hrs |
- TPP 3258C Musical Theatre Voice II | 2 hrs |
- TPP 4259C Musical Theatre Voice III | 2 hrs |
- TPP 4260C Musical Theatre Voice IV | 2 hrs |
- TPP 4270C Musical Theatre Voice V | 2 hrs |
- TPP 4271C Musical Theatre Voice VI | 2 hrs |
- TPP 4746C Musical Theatre Voice VII | 2 hrs |
- TPP 4940L Theatre Internship | 6 hrs |

### 4A. Movement Electives (2 hrs)

- TPP 4531C Period Movement | 2 hrs |
- TPA 3512C Stage Combat | 2 hrs |

**Any DAA or DAN courses not already required and with departmental approval**

### 4B. Restricted Electives (2 hrs)

**Chosen from the following**

| DAN 3134 Dance History I | 3 hrs |
| DAN 3612 Dance Improvisation/Composition I | 3 hrs |
| DAA 2100C Modern Dance I | 2 hrs |
| DAA 3684 Dance Performance | 1 hr |
| DAA 2521C Tap Dance II | 2 hrs |
| DAA 3524C Tap Dance III | 2 hrs |
| DAA 3208C Ballet III | 2 hrs |
| DAA 2101C Modern Dance II | 2 hrs |
| DAA 3108C Modern Dance III | 2 hrs |
| DAA 2393C World Dance | 2 hrs |
| DAN 3645 Choreography Practicum | 2 hrs |
| DAN 3684 Dance Performance | 1 hr |
| TPP 3730C Voice Production IV | 2 hrs |
| TPP 4142C Acting V - Verse | 3 hrs |
| TPP 4265C Acting VI - Acting for TV/Film | 3 hrs |
| TPP 4268C Acting VII for TV/Film | 3 hrs |
| THE 3320 Cultural Diversity in Theatre | 3 hrs |
| THE 3307 Contemporary Theatre | 3 hrs |
| TPA 3195L Summer Theatre Studio/Design I | 3 hrs |
| TPA 3197L Summer Theatre Studio/Design II | 3 hrs |
| TPA 3956L Summer Theatre Performance | 3 hrs |
| TPA 3952L Summer Studio Performance | 3 hrs |
| TPP 4143C Acting Styles | 3 hrs |
| TPA 2600* Stage Management Basics | 3 hrs |
| TPA 4400 Theatre Management | 3 hrs |
| THE 4284 Costume, Architecture, Decor History I | 3 hrs |
UCF Degree Programs

THE 4285  Costume, Architecture, Decor History II  3 hrs
TPP 4221  Auditioning  3 hrs
THE 3313  Theatre History and Dramatic Literature III  3 hrs
THE 3800*  Independent Study  1-9 hrs
TPP 4311C*  Advanced Directing  3 hrs
THE 4093L  Theatre Participation - Management II  1 hr
TPP 4239L  Theatre Participation - Performance II  1 hr
THE 4912*  Undergraduate Research  3-6 hrs
*Other THE, TPA, TPP, DAA or DAI courses not already required and as approved by the department requires instructor and departmental approval in advance

5. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Theatre course
- Maintain a "B" Theatre GPA (3.0) or better
- Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes
- Complete an Exit Survey, Exit Interview, and Audit Check the semester prior to final semester of theatre classes
- Minimum of 60 theatre credits must be completed in residency at UCF
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Computer Competency met by STA 1060C or computer science course

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)

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 129 hrs

Related Programs: Film, Music, Theatre Studies BA
Related Minors: Music, Film, Theatre, Dance

Transfer Notes:

- Courses taken at community colleges may substitute for select UCF 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 public and private 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 200: may use any introductory course. However, THE 200 is a prerequisite for all Theatre courses and will still need to be taken.
THE 2304: may use THE 2300
THE 2304: may use THE 2300
TPP 2201: may use TPA 2200 or TPA 2210
TPP 3310C: may use TPP 2300

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm

Program Academic Learning Compacts

1. UCF General Education Program (36 hrs)

A. Communication Foundations

B. Cultural and Historical Foundations

C. Mathematical Foundations

Co-op credit cannot be used in this major
Students must consult with a departmental advisor each semester before registering. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted.

Contact: John Shafer, 407-823-2862, E-mail: jwshafer@mail.ucf.edu

The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

Admission Requirements

- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit the audition site online at http://www.theatre.ucf.edu.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted.

TOTAL COST: 

Equipment Fee

Full-time Student ............................................. $90 per term
Part-time Student ........................................... $45 per term

Contact: John Shafer, 407-823-2862, E-mail: jwshafer@mail.ucf.edu
2. Common Program Prerequisites (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>THE 2020*</td>
<td>Survey of Theatre for Majors</td>
<td>GEP</td>
</tr>
<tr>
<td>THE 2304</td>
<td>Script Analysis</td>
<td>3 hrs</td>
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<tr>
<td>TPA 2200L</td>
<td>Theatre Participation - Management I</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2200L</td>
<td>Technical Theatre Production</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 2010C</td>
<td>Directing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 2700C</td>
<td>Stage Voice/Speech</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 2101*</td>
<td>Fundamentals of Acting</td>
<td>3 hrs</td>
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*See Transfer Notes for possible substitutes

3. Core requirements (9 hrs)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>THE 3311</td>
<td>Theatre History / Dramatic Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3312</td>
<td>Theatre History / Dram. Lit. II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3313</td>
<td>Theatre History / Dram. Lit. III</td>
<td>3 hrs</td>
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4. Restricted Electives (19 hrs)

Select 19 hours from the following:

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<tr>
<th>Course Code</th>
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<tr>
<td>THE 3230</td>
<td>Cultural Diversity in Theatre</td>
<td>3 hrs</td>
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<tr>
<td>THE 3092</td>
<td>Theatre Careers</td>
<td>3 hrs</td>
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<td>TPI 4143C</td>
<td>Acting Styles</td>
<td>3 hrs</td>
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<tr>
<td>TPI 3264C</td>
<td>Acting on Camera</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2025</td>
<td>Intro to Theatrical Design</td>
<td>3 hrs</td>
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<td>TPI 4221*</td>
<td>Auditioning</td>
<td>3 hrs</td>
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<td>THE 3240</td>
<td>Musical Theatre Survey</td>
<td>3 hrs</td>
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<tr>
<td>THE 4033L*</td>
<td>Theatre Participation - Management II</td>
<td>1 hr</td>
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<tr>
<td>TPI 2435L*</td>
<td>Theatre Participation - Production I</td>
<td>1 hr</td>
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<tr>
<td>TPI 4133L*</td>
<td>Theatre Participation - Production II</td>
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<td>THE 5307*</td>
<td>Contemporary Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPI 2248C*</td>
<td>Makeup Technique</td>
<td>3 hrs</td>
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<td>THE 4285</td>
<td>Costume, Architecture, Decor History I</td>
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<td>TPI 3195L</td>
<td>Summer Theatre Studio/Tech/Design I</td>
<td>3 hrs</td>
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<td>TPI 3197L</td>
<td>Summer Theatre Studio/Tech/Design II</td>
<td>3 hrs</td>
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<tr>
<td>TPI 2600*</td>
<td>Stage Management Basics</td>
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<td>TPI 4400</td>
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<td>TPI 3103</td>
<td>Intermediate Acting</td>
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<td>TPI 3197L</td>
<td>Summer Theatre/Performance</td>
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<tr>
<td>TPI 3952L</td>
<td>Summer Studio Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPI 4311C*</td>
<td>Advanced Directing</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>Any DAA or DAN courses with instructor</td>
<td>2-8 hrs</td>
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<td>and departmental approval</td>
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</tr>
<tr>
<td>THE 3930*</td>
<td>Independent Study</td>
<td>1-12 hrs</td>
</tr>
<tr>
<td>THE 4912*</td>
<td>Undergraduate Research</td>
<td>3-6 hrs</td>
</tr>
</tbody>
</table>

*Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance

5. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each Theatre course
- Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
- Complete an Exit Survey, and Exit Interview/Audit
- 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 or 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.

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: Art, Film, Music, Theatre BFA
Related Minors: Art, Film, Music, Theatre Dance

Transfer Notes:

- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- THE 2020: may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
- THE 2304 (Script Analysis): may use THE 2300 or THE 3305
- TPA 2201: may use TPA 2200 or TPA 2210
- TPP 3310C: may use TPP 2300
- TPP 2101: may use any introductory acting course

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee

- Full-time Student .................................................. $90 per term
- Part-time Student .................................................. $45 per term

WOMEN’S STUDIES

See Interdisciplinary Studies - Women’s Studies Track
## MINORS AND CERTIFICATES

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the online “Intent to Graduate Form.” However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

### Minors

- Accounting
- Aerospace Studies
- African-American Studies
- Aging Studies
- American Sign Language and Deaf Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Art History
- Art - Studio
- Asian Studies
- Astronomy
- Bioengineering
- Biology
- Business
- Chemistry
- Coaching
- Cognitive Sciences
- Communication Sciences and Disorders
- Community Arts - PAVE
- Computer Science
- Criminal Justice
- Dance
- Digital Media
- Early Childhood Education
- Economics
- Education
- Emergency Management and Homeland Security
- Energy and Sustainability
- Engineering Leadership
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English - Writing
- English Language Arts Education
- Entrepreneurship
- Environmental Studies
- European Studies
- Exceptional Education
- Film - Cinema Studies
- Finance
- Fitness Training
- French
- German
- Health Information Management
- Health Sciences
- Health Services Administration
- History
- Hospitality Management
- Humanities
- Information Technology
- Intelligent Robot Systems
- Interdisciplinary Informatics Technology
- International and Global Studies
- International Business
- International Engineering
- Interpersonal/Organizational Communication
- Italian
- Judaic Studies
- Latin American Area Studies
- Leadership Studies
- Legal Studies
- Magazine Journalism
- Management Information Systems
- Marketing
- Mass Communication
- Mathematics
- Mathematics Education
- Medieval and Renaissance Studies
- Middle Eastern Studies
- Military Science
- Molecular Biology and Microbiology
- Music
- Nonprofit Management/American Humanities
- National Certification Program
- North American Indian Studies
- Operations Management/Enterprise Systems
- Philosophy
- Philosophy, Religion and Popular Culture
- Physics
- Political Science
- Political Science/Prelaw
- Psychology
- Public Administration
- Real Estate
- Recreation
- Religious Studies
- Science Education
- Secure Computing and Networks
- Social Science Education
- Social Sciences - Interdisciplinary
- Sociology
- Spanish
- Sport Business Management
- Statistics
- Technical Education and Industry Training
- Technological Entrepreneurship
- Theatre
- Urban and Regional Planning
- Women’s Studies
- World Comparative Studies
- Addictions Certificate
- Aging Studies Certificate
- American Sign Language Certificate
- Behavioral Forensics Certificate
- Children’s Services Certificate
- Crime Analysis and Crime Mapping Certificate
- Crime Scene Investigation Certificate
- Criminal Profiling Certificate
- Cultural Tourism Certificate
- Diplomacy Certificate
- Educational Studies Certificate
- Energy Technology Certificate
- Finance: Banking Certificate
- Finance: Corporate Finance Certificate
- Finance: Investments Certificate
- Judaic Studies Certificate
- Language Development and Disorders Certificate
- Marketing: Selling and Sales Management Certificate
- Marketing: Retailing Management Certificate
- Marketing: e-Marketing Certificate
- Marketing: Sport Marketing Management Certificate
- Marketing: Healthcare Marketing Certificate
- Marketing: Services Marketing Certificate
- Marketing: Entertainment Marketing Certificate
- Military Science Certificate
- Nonprofit Management Certificate
- Real Estate: Real Estate Brokerage Certificate
- Real Estate: Real Estate Appraisal Certificate
- Real Estate: Mortgage Brokerage Certificate
- Security Management Certificate
- Service-Learning Certificate
- Substitute Teaching Certificate
- Translation and Interpretation Certificate
- Victim Advocacy Certificate
- Women's Studies Certificate

### Additional UCF Programs

**Study Abroad Programs:**

- Argentina
- Australia
- Austria
- Brazil
- Costa Rica
- Croatia
- Czech Republic
- England
- France
- Germany
- Honduras
- Ireland
- Italy
- Japan
- Jordan
- Poland
- Russia
- Scotland
- Spain
- Sweden
- Switzerland
- The Netherlands
ACCOUNTING: MINOR
(for Business and Non-Business Majors)
College of Business Administration
School of Accounting, BA 437, (407) 823-2871
Not available to Accounting Majors

Credit Hour Requirements 21 hrs
Required Courses (9 hrs)
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
Select one of the following (may not be counted as an elective if selected as a required course):
ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
ACG 3361 Intermediate Managerial Accounting

Restricted Electives (12 hrs)
Select four from the following (at least two courses must have either an ACG or TAX prefix):
ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
ACG 3361 Intermediate Managerial Accounting 3 hrs
ACG 3141 Intermediate Financial Accounting 3 hrs
ACG 3901 Accounting and Auditing in the Public Sector 3 hrs
ACG 4401C Accounting Information Systems 3 hrs
ACG 4651 Auditing 3 hrs
ACG 4932 Approved Special Topics Courses in Accounting 3 hrs
TAX 4001 Taxation of Business Entities and Transactions 3 hrs
FIN 3414 Intermediate Corporate Finance 3 hrs
FIN 4453 Financial Models 3 hrs
ISM 3253 MIS Techniques 3 hrs
ISM 4212 Database Management Systems 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

AEROSPACE STUDIES: Minor
College of Engineering and Computer Science
Air Force ROTC, TR 501, Rm 103
Contact: Col. Michael J. Chandler, 407-823-1247

Credit Hour Requirements 18 hrs
Required Courses 16 hrs
(16 hr)
AFR 1101C The Air Force Today I 1 hr
AFR 1111C The Air Force Today II 1 hr
AFR 2105 The Development of Air Power I 1 hr
AFR 2119C The Development of Air Power II 1 hr
AFR 3222C Air Force Leadership and Management I 3 hrs
AFR 3223C Air Force Leadership and Management II 3 hrs
AFR 4201C Nat Scrt Affairs & Prep for Active Duty I 3 hrs
AFR 4210C Nat Scrt Affairs & Prep for Active Duty II 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

AFRICAN-AMERICAN STUDIES: Minor
College of Arts and Humanities
African American Studies Program, CNH 411
http://www.aas.cah.ucf.edu/
Contact: J. Stephenson, 407-823-0026

The African American Studies minor is designed to complement a student’s major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literature, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

Credit Hour Requirements 18 hrs
Required Courses (6 hrs)
AFA 3104 The African American Experience 3 hrs
AMH 3571 Black American History I 3 hrs

Restricted Electives (12 hrs)
Select four from the following (may not be counted as an elective if an ACG or TAX prefix):
AFA 3102 Introductory Perspectives on African American Studies
AFA 2300 African American Music
AFA 3955 Study Abroad in the Caribbean
AFA 4105 Documenting African American Heritage and Life
AH 3100 African History to 1870
AH 3200 African History Since 1870
AH 5806 The Geography of Slavery in Africa
AMH 3403 History of the South Since 1865
AMH 3572 Black American History II
AML 3614 Topics in African-American Literature
AML 3615 Harlem, Haiti, and Havana
ANT 3316 Black and Seminole Relations
ANT 3319 Anthropology of Diaspora
ANT 4340 Caribbean Cultures
ARN 3520 African Art
INK 3253 International Politics of Africa
FIL 3831 Black Cinema
LAH 3470 History of the Caribbean
LAS 4023 African Caribbean Experience
LIT 3192 Caribbean Literature
MUL 2024 Evolution of Jazz
POS 4622 Politics & Civil Rights
PUP 3314 Minorities in American Politics
SOP 3724 The Psychology of Racial Prejudice
SY 3700 Race and Ethnic Minorities in the U.S.

Additional courses may be used only with the prior permission of the program Director.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

AGING STUDIES: Minor
College of Health and Public Affairs
School of Social Work, HPA 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator: HPA 204, 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major as well as non-degree seeking students. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. The minor may be completed as a fully web-based program. A required internship, along with course options that include service-learning activities, complements the web-based course of study.

Credit Hour Requirements 18 hrs
Minors

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEY 3001</td>
<td>Gerontology: Interdisciplinary Overview</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
| Required Internship: 120 hours

Select one:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 4510 or SOW 4941</td>
<td>Field Education (for full-time students) or Field Education (for part-time students over two semesters)</td>
</tr>
<tr>
<td>HSA 4941</td>
<td>Internship</td>
</tr>
<tr>
<td>PSY 2951</td>
<td>Internship</td>
</tr>
<tr>
<td>SYP 4941</td>
<td>Internship</td>
</tr>
</tbody>
</table>

Electives (12 hrs)

Students select four additional courses from the following: A maximum of two courses in their College and at least two courses must be outside their College.

College of Health and Public Affairs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 4220</td>
<td>Long Term Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3222</td>
<td>Long Term Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4564</td>
<td>Health Care Needs of the Elderly</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4286</td>
<td>Gerontologic Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 4530</td>
<td>Legal Issues of the Elderly</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4645</td>
<td>Social Services for the Elderly</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Other Colleges

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 3464</td>
<td>Psychology of Aging</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4730</td>
<td>Sociology of Aging</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEY 5007*</td>
<td>Women and Aging</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3930</td>
<td>Literature of Aging</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4732</td>
<td>Minority Aging</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*Open to undergraduates with senior standing

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (2.0) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may not be used toward the minor.

AMERICAN SIGN LANGUAGE AND DEAF STUDIES: Minor

College of Health and Public Affairs

Department of Communication Sciences and Disorders, HPA2, Suite 101

Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798, E-mail: jschwartz@mail.ucf.edu

http://www.cohpa.ucf.edu/comdis

The American Sign Language and Deaf Studies Minor addresses a growing interest in Deaf culture in the United States. Through the minor students not only acquire a non-Indo European, second language that they may use to communicate with the Deaf community, but they also discover a rich and complex cultural group. The minor is available to students in all disciplines who would find it a useful addition to their major, in particular those majoring in liberal studies, education, criminal justice, health professions, social work, psychology, sociology, and interpersonal and organizational communication. Additionally, a minor in American Sign Language and Deaf Studies will serve as a valuable confirmation for employers and graduate schools of a student’s specialized knowledge and as a foundation for future study in interpreter or deaf education.

Credit Hour Requirements 22 hrs

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASL 2510</td>
<td>Issues in Deafness</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASL 2140</td>
<td>Introduction to American Sign Language</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ASL 2150</td>
<td>Intermediate American Sign Language</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ASL 4161C</td>
<td>American Sign Language III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ASL 4201</td>
<td>American Sign Language IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPA 4634</td>
<td>Educational Implications of Deafness</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Other Requirements

- A minimum grade of “C-” (1.75) is required in each course.
- Students must earn an overall minimum GPA of 2.0 in courses used to complete the minor.
- At least 12 hours used in the minor must be earned at UCF within the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit), Internship or Independent Study credit may be used toward the minor.

AMERICAN STUDIES: Minor

College of Arts and Humanities

http://www.cah.ucf.edu

Contact: Lyman Brodie, CAH 190, 407-823-2292, E-mail: lbrodie@mail.ucf.edu

Credit Hour Requirements 21 hrs

Required Courses (9 hrs)

Select one course in each of the three categories below

Literature and Humanities

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3031</td>
<td>American Literature I</td>
</tr>
<tr>
<td>AML 4101</td>
<td>American Novel</td>
</tr>
<tr>
<td>AML 4261</td>
<td>Literature of the South</td>
</tr>
<tr>
<td>AML 3682</td>
<td>Ethnic Literature in America</td>
</tr>
</tbody>
</table>

Social Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 3413</td>
<td>The American Presidency</td>
</tr>
<tr>
<td>POT 3204</td>
<td>American Political Thought</td>
</tr>
<tr>
<td>SYD 3700</td>
<td>Race and Ethnic Minorities in the U.S.</td>
</tr>
<tr>
<td>SYP 3630</td>
<td>Sociology of Popular Culture</td>
</tr>
</tbody>
</table>

History

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3561</td>
<td>Women in American History I</td>
</tr>
<tr>
<td>AMH 4110</td>
<td>Colonial America, 1607-1763</td>
</tr>
<tr>
<td>AMH 4120</td>
<td>The Age of the American Revolution</td>
</tr>
<tr>
<td>AMH 4311</td>
<td>American Culture I</td>
</tr>
<tr>
<td>AMH 4313</td>
<td>American Culture II</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)

A list can be obtained by meeting with an advisor to plan your course of study.

Other Requirements

- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least eighteen credit hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ANTHROPOLOGY: Minor

College of Sciences

Department of Anthropology, PH 309

http://www.cos.ucf.edu/anthropology

E-mail: anthropology@ucf.edu

Contact: A. Chase, 407-823-2227

The Anthropology minor develops a student’s holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

Credit Hour Requirements 18 hrs

A. Concentration in General Anthropology

The following 2000 level courses must be taken: (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Archaeology &amp; Rise of Human Culture</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
</tr>
</tbody>
</table>

Select two upper level (3000-5000) courses in Anthropology (6 hrs)

B. Concentration in Archaeology

The following 2000 level courses must be taken: (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Archaeology &amp; Rise of Human Culture</td>
</tr>
</tbody>
</table>

Select from the following: (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3106</td>
<td>Archaeology and Popular Culture</td>
</tr>
<tr>
<td>ANT 3115</td>
<td>Archaeological Method and Theory</td>
</tr>
<tr>
<td>ANT 3142</td>
<td>Old World Prehistory</td>
</tr>
<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies</td>
</tr>
<tr>
<td>ANT 3158</td>
<td>Florida Archaeology</td>
</tr>
<tr>
<td>ANT 3160</td>
<td>Pre-Contact Americas</td>
</tr>
<tr>
<td>ANT 3161</td>
<td>Archaeology of Mexico</td>
</tr>
<tr>
<td>ANT 3163</td>
<td>Mesoamerican Archaeology</td>
</tr>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas</td>
</tr>
<tr>
<td>ANT 3185</td>
<td>Archaeology of South America</td>
</tr>
<tr>
<td>ANT 3188</td>
<td>Maya Archaeology (or ANG 6168)</td>
</tr>
<tr>
<td>ANT 3173</td>
<td>Archaeology of Sex</td>
</tr>
<tr>
<td>ANT 3177</td>
<td>Caribbean Archaeology</td>
</tr>
<tr>
<td>ANT 3358</td>
<td>Life and Death in Ancient Egypt</td>
</tr>
<tr>
<td>ANT 4101</td>
<td>Archaeological Sciences (or ANG 5100)</td>
</tr>
<tr>
<td>ANT 4144</td>
<td>Prehistory of North America</td>
</tr>
<tr>
<td>ANT 4153</td>
<td>North American Archaeology</td>
</tr>
</tbody>
</table>
ANT 4332 People and Cultures of Latin America (or ANG 5307)
ANT 4438 Anthropology of Tourism (or ANG 5437)
ANT 4467 Nutritional Anthropology (or ANG 5467)
ANT 4701 Applied Anthropology
ANT 4702 Culture, Power, and Development (or ANG 5272)
ANT 4802 Ethnographic Field Methods
ANT 4362 Anthropology of Japan
ANT 3640 Language and Culture (or ANG 5620)
ANT 4340 Caribbean Cultures (or ANG 5341)
ANT 3319 The Anthropology of Diaspora
ANT 4034 History of Anthropological Thought
ANT 4266 Economic Anthropology
ANT 4308 Gender Issues in Latin America
ANT 4352 African Societies and Cultures
ANT 4354 Postcolonial Africa
ANG 5167 Maya Hieroglyphs
ANG 5228 Maya Iconography
ANG 5622 Language, Culture, and Pedagogy

Other Requirements
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

ART HISTORY: Minor

College of Arts and Humanities
Art Department, VAB 117
http://www.art.ucf.edu/
Contact: J. Chavda, 407-823-2676

The Art Department affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Credit Hour Requirements 27 hours
Required Courses (15 hrs)

ARH 2050 The History of Art I 3 hrs
ARH 2051 The History of Art II 3 hrs
ARH 4310 Italian Renaissance Art 3 hrs
ARH 4430 19th Century Art 3 hrs
ARH 4450 20th Century Art 3 hrs

Non-western Course Requirement (3 hrs)
Select from the following:
ARH 4545 Art of India
ARH 3520 African Art
ARH 4655 Meso American Art
Minors

**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.

**ART - STUDIO: Minor**

College of Arts and Humanities
Art Department, VAB 117
Contact: J. Chavda, 407-823-2676

**Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Upper Division Courses**
Six semester hours of studio art in one area of specialization at the 3000-4000 level

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**ASIAN STUDIES: Minor**

College of Arts and Humanities
Contact: P. Giordano, 407-823-2472

An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

**Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 3401</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2002L</td>
<td>1 hr</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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).

**Other Requirements**
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least fifteen credits hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.

**Astronomy: Minor**

College of Sciences
Department of Physics, MAP 310
E-mail: physics@ucf.edu
Contact: Humberto Campins, 407-823-2325

Not open to Physics majors with an Astronomy specialization

**Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048 Physics for Engineers &amp; Scientists I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048L Physics for Engineers &amp; Scientists I Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>AST 2002 Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3729C Tech of Observational Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3110 Solar System Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3211 Stellar Astrophysics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3402 Galaxies and Cosmology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Internship, Co-op, or Independent Study credit cannot be used toward the minor.**

**Bioengineering: Minor**

College of Engineering and Computer Science
CECS Academic Affairs Office, ENGR 107
Contact: Engineering track - Alain Kassab, 407-823-5778, E-mail: kassab@mail.ucf.edu;
Computer Science track - Charles Hughes, 407-823-2762, E-mail: ceh@cs.ucf.edu

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Pre-Health Professions Advisement office housed in the College of Medicine Burnett School of Biomedical Sciences. Contact Dr. Genaro Lopez; HPA I 124; 407-823-2670; E-mail: galopez@mail.ucf.edu. The minor constitutes up to: (a) for the engineering track 24 hours of coursework over the requirements for a bachelor of science degree in an engineering discipline at UCF, and (b) a minimum 19 hours of coursework over the requirements for a bachelor of science degree in computer science at UCF.

**Admission Requirements:** Entrance into the minor is required upon admission to the University and requires a minimum high school un-weighted GPA 3.7, and ACT 30 or SAT 1300. Well qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program students must maintain a UCF Undergraduate GPA 3.50. Candidates should contact the CECS Academic Affairs Office; bioengineeringminor@mail.ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

**I. Engineering Track**

**Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048 Physics for Engineers and Scientists</td>
<td>3 hrs*</td>
</tr>
<tr>
<td>PHY 2048L Physics for Engineers and Scientists Lab</td>
<td>1 hr*</td>
</tr>
<tr>
<td>PHY 2049 Physics for Engineers and Scientists II</td>
<td>3 hrs*</td>
</tr>
<tr>
<td>PHY 2049L Physics Lab for Engineers and Scientists II</td>
<td>1 hr*</td>
</tr>
<tr>
<td>BSC 2010C Biology I</td>
<td>4 hrs*</td>
</tr>
<tr>
<td>BSC 2011C Biology II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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272 UNIVERSITY OF CENTRAL FLORIDA 2009-2010 Undergraduate Catalog
CHM 2045C  Chemistry Fundamentals I  4 hrs*
CHM 2046  Chemistry Fundamentals II  3 hrs**
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr***
CHM 2210  Organic Chemistry I  3 hrs***
CHM 2211L  Organic Laboratory Techniques I  2 hrs
CHM 2211  Organic Chemistry II  3 hrs
CHM 3212L  Organic Laboratory Techniques II  2 hrs
EGN 4941  Externship  1 hr

Recommended Courses

(6 hrs)

Engineering specific list (choose one from the following)

EMA 5584  Biomaterials  3 hrs*
EML 5760  Biofluid Mechanics  3 hrs*
EEE 5272  Biomedical Sensors  3 hrs*
EES 4111C  Biological Process Control  3 hrs*
EIN 5248C  Ergonomics  3 hrs*

General science list (choose one from the following)

CAP 5512  Evolutionary Computation  3 hrs
BCH 4053  Biochemistry I  3 hrs
BSC 3403C  Quantitative Biological Methods  4 hrs
BSC 5418  Tissue Engineering  3 hrs
MCB 3020C  General Microbiology  5 hrs
PCB 3522  Molecular Biology I  3 hrs
PCB 3703C  Human Anatomy  4 hrs
ZOO 3744  Neurobiology  3 hrs
PCB 3063  Genetics  3 hrs

* These courses are included in the degree requirements for the Bachelors of Science degree in Engineering.
** In addition to the identified courses above, this course is included in the degree requirements for the Bachelors of Science in Civil Engineering.
*** In addition to the identified courses above, these courses are included in the degree requirements for the Bachelor of Science in Environmental Engineering in the Computer Science Track.

BIOLOGY: Minor
College of Sciences
Department of Biology, BL 301
http://www.cos.ucf.edu/biology
E-mail: biology@ucf.edu
Contact: F. Logiudice, 407-823-2141

Credit Hour Requirements 31 hrs

Required Courses (31 hrs)

BSC 2010C  Biology I  4 hrs
BSC 2011C  Biology II  4 hrs
CHM 2045C+  Chemistry Fundamentals I  4 hrs
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2210  Organic Chemistry  3 hrs
PCB 3023  Molecular Cell Biology  3 hrs
PCB 3044  Principles of Ecology  3 hrs
PCB 3063  Genetics  3 hrs
PCB 4683  Evolutionary Biology  4 hrs

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Not open to Biology or Biology Preprofessional majors.

BUSINESS: Minor
(for Non-Business Majors)
College of Business Administration, BA2 101
Not available to Business majors

Contact: Undergraduate Student Services, BA2 101, 407-823-2184

Required Accounting Courses (6 hrs)

ACG 2021  Principles of Financial Accounting
ACG 2071  Principles of Managerial Accounting

Required Courses (18 hrs)

ECO 2023  Microeconomics
ECO 2023  Microeconomics
FIN 3403C  Business Finance
MAN 3025  Management of Organizations
MAR 3023  Marketing

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

CHEMISTRY: Minor
College of Sciences
Department of Chemistry, CH 117
http://www.cos.ucf.edu/chemistry
E-mail: chemistry@ucf.edu
Contact: Cherie Geiger

Credit Hour Requirements 28 hrs

Required Courses (20 hrs)

CHM 2045C  Chemistry Fundamentals I  4 hrs
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr

Other Requirements

- Open only to engineering and computer science majors.
- A grade of “B” (3.0) or better is required in each course used to satisfy the minor.
- The Bachelor of Science in Chemistry must be completed in order for the minor to be awarded.
### Minors

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 5120</td>
<td>Analytical Chemistry &amp; Lab</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C

#### Restricted Upper Division Electives

<table>
<thead>
<tr>
<th>Group I: Select at least one course</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 3212L</td>
</tr>
<tr>
<td>CHM 4310</td>
</tr>
<tr>
<td>BCH 4103L</td>
</tr>
<tr>
<td>CHS 5350C</td>
</tr>
<tr>
<td>CHM 3411L</td>
</tr>
<tr>
<td>CHM 5461C</td>
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#### Group II:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
</tr>
<tr>
<td>CHM 3410</td>
<td>Physical Chemistry I</td>
</tr>
<tr>
<td>CHM 3411</td>
<td>Physical Chemistry II</td>
</tr>
<tr>
<td>CHM 3422</td>
<td>Applied Physical Chemistry</td>
</tr>
<tr>
<td>CHM 5225</td>
<td>Advanced Organic Chemistry I</td>
</tr>
<tr>
<td>CHM 4220</td>
<td>Organic Chemistry III</td>
</tr>
<tr>
<td>CHS 4200</td>
<td>Concepts in Industrial Chemistry</td>
</tr>
<tr>
<td>CHM 5235</td>
<td>Applied Molecular Spectroscopy</td>
</tr>
<tr>
<td>CHM 5450</td>
<td>Polymer Chemistry</td>
</tr>
<tr>
<td>CHS 4615</td>
<td>Environmental Chemistry</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 11 hours used in the minor must be earned at UCF within the department, with a minimum GPA of 2.0.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### COACHING: Minor

#### College of Education

#### Department of Child, Family and Community Sciences

**ED 209**

Program Coordinator: Debby Mitchell, ED 320H, 407-823-6598, E-mail: mitchell@mail.ucf.edu

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all

#### Credit Hour Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total courses</td>
<td>18 hrs</td>
</tr>
<tr>
<td>Required Courses</td>
<td>(15 hrs)</td>
</tr>
<tr>
<td>PET 2622C</td>
<td>Human Injuries</td>
</tr>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
</tr>
<tr>
<td>PET 3742C</td>
<td>Sport and Ethics</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
</tr>
<tr>
<td>PET 4763</td>
<td>Coaching Methods and Principles</td>
</tr>
<tr>
<td>Select one course from the following:</td>
<td>(3 hrs)</td>
</tr>
<tr>
<td>PEO 3264</td>
<td>Coaching Football or</td>
</tr>
<tr>
<td>PEO 3264</td>
<td>Coaching Basketball or</td>
</tr>
<tr>
<td>PEO 3324</td>
<td>Coaching Volleyball</td>
</tr>
</tbody>
</table>

*If the student has completed this course at a community college it can be transferred into the program.

#### Other Requirements

- An overall GPA of 2.0 is required to satisfy the minor.
- No grades below “C-” (1.75) and no “S” grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No TSD or Military credit may be used.
- Internship or Independent Study credit cannot be used toward the minor.

### COGNITIVE SCIENCES: Minor

#### College of Arts and Humanities

**Philosophy Department, PSY 220**


**E-mail:** philosophy@ucf.edu

**Contact:** Jennifer Mundale. 407-823-2273; Fax: 407-823-6658

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive science, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

#### Credit Hour Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total courses</td>
<td>21 hrs</td>
</tr>
<tr>
<td>Foundation Courses</td>
<td>(15 hrs)</td>
</tr>
<tr>
<td>Neuroscience</td>
<td></td>
</tr>
<tr>
<td>PSB 3002</td>
<td>Physiological Psychology (PR: PSY 2012)</td>
</tr>
<tr>
<td>PSB 4240C</td>
<td>Neuropsychology (PR: PSB 3002)</td>
</tr>
<tr>
<td>ZOO 744</td>
<td>Neurobiology (PR: BSC 2010C)</td>
</tr>
<tr>
<td>PSB 4422</td>
<td>Brainwaves and Behavior (PR: PSB 3002)</td>
</tr>
<tr>
<td>Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHI 3320</td>
<td>Philosophy of Mind (PR: PHI 2010 or C.I.)</td>
</tr>
<tr>
<td>PHI 3323</td>
<td>Minds and Machines (PR: PHI 2010 or C.I.)</td>
</tr>
<tr>
<td>PHI 4341</td>
<td>Ways of Knowing (PR: PHI 2010)</td>
</tr>
<tr>
<td>PHI 3451</td>
<td>Philosophy of Psychology (PR: Junior or C.I.)</td>
</tr>
<tr>
<td>PHI 4400</td>
<td>Philosophy of Science</td>
</tr>
<tr>
<td>Psychology</td>
<td></td>
</tr>
<tr>
<td>EXP 3604C</td>
<td>Cognitive Psychology (PR: PSY 2012)</td>
</tr>
<tr>
<td>EXP 4507C</td>
<td>Advanced Human Memory and Cognition (PR: PSY 3123C and EXP 3604C)</td>
</tr>
<tr>
<td>EXP 3204C</td>
<td>Perception (PR: PSY 2012, PSY 3213C)</td>
</tr>
<tr>
<td>Computer Science and Information Technology</td>
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<tr>
<td>CAP 4453</td>
<td>Robot Vision (PR: COP 3530C and MAC 2312, or C.I.)</td>
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<tr>
<td>CAP 4630</td>
<td>Artificial Intelligence (PR: COP 3530C)</td>
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<tr>
<td>EEL 3511</td>
<td>Information Theory (PR: MAC 2147 or any calculus course; not open to EE or Cpe majors)</td>
</tr>
<tr>
<td>EEL 3552C</td>
<td>Signal Analysis &amp; Communications (PR: EEL 3004)</td>
</tr>
<tr>
<td>Language and Linguistics</td>
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<tr>
<td>LIN 3010</td>
<td>Principles of Linguistics (PR: ENC 1102)</td>
</tr>
<tr>
<td>LIN 3716</td>
<td>Language Development: Birth Through 8 Years (PR: DEP2004)</td>
</tr>
<tr>
<td>LIN 3717</td>
<td>Language Development: 9-18 Years (PR: LIN 3716)</td>
</tr>
<tr>
<td>PSY 3703</td>
<td>Psychology of Oral Communication</td>
</tr>
<tr>
<td>Restricted Electives</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>ANT 3541</td>
<td>Biobehavioral Anthropology</td>
</tr>
<tr>
<td>ANT 3550</td>
<td>Primatology (PR: ANT 2511 or C.I.)</td>
</tr>
<tr>
<td>ANT 3640</td>
<td>Language and Culture (PR: Sophomore standing)</td>
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<tr>
<td>ANT 4586</td>
<td>Human Origins (PR: ANT 2511)</td>
</tr>
<tr>
<td>CAP 4630</td>
<td>Introduction to Artificial Intelligence (PR: COP 3530C)</td>
</tr>
<tr>
<td>CAP 4520</td>
<td>Concepts of Parallel Distributed Processing (PR: COP 3530C and COP 3402)</td>
</tr>
<tr>
<td>CAP 5015</td>
<td>Multimedia Compression on the Internet (PR: senior or graduate student)</td>
</tr>
<tr>
<td>CAP 5415</td>
<td>Computer Vision (PR: COP 3530C)</td>
</tr>
<tr>
<td>CAP 5512</td>
<td>Evolutionary Computing</td>
</tr>
<tr>
<td>COP 4520</td>
<td>Concepts of Parallel and Distributed Processing (PR:COP 3530C and COP 3402)</td>
</tr>
<tr>
<td>LIN 4711</td>
<td>Language Analysis (PR: LIN 3716 and LIN 3717)</td>
</tr>
<tr>
<td>LIN 4711L</td>
<td>Language Analysis Lab (PR: LIN 3716 and LIN 3717)</td>
</tr>
<tr>
<td>PHI 3626</td>
<td>Advanced Ethics in Science and Technology (PR: COP 3520C or DIG 2000 or C.I.)</td>
</tr>
<tr>
<td>PHI 2011</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td>PHI 2012</td>
<td>Formal Logic I</td>
</tr>
<tr>
<td>PHI 4500</td>
<td>Metaphysics (PR: Philosophy Major or C.I.)</td>
</tr>
<tr>
<td>PHI 4321</td>
<td>Philosophies of Embodiment (PR: Junior standing and either PHI 2010, PHI 2011, PHI 2101, or C.I.)</td>
</tr>
<tr>
<td>MAP 4032</td>
<td>Mathematical Modeling I (PR: MAC 2311 or MAC 2291, and MAP 2302)</td>
</tr>
<tr>
<td>PSY 4025</td>
<td>The Psychology of Art (PR: PSY 2012 and ARH 205x)</td>
</tr>
</tbody>
</table>
Computer Science: Minor
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science,
Harris Corp Engineering Ctr., Rm 246,
407-823-2787; Fax: 407-823-5419
http://www.eecs.ucf.edu
Contact: Mark Llewellyn, E-mail: markl@cs.ucf.edu

Credit Hour Requirements 19 hrs
Required Courses (19 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
COT 3100C Introduction to Discrete Mathematics 3 hrs
or MAD 2104 Foundations of Discrete Mathematics
EEL 3801 Comp. Organization 3 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
HPA 311
E-mail: cjadvise@mail.ucf.edu
Contact: Mary Ann Eastep, 407-823-3598

Credit Hour Requirements 18 hrs
Required Courses (6 hrs)
CCJ 3014 Crime in America 3 hrs
CCJ 3014 Crime in America 3 hrs

Restricted Electives (12 hrs)
Two of the following:
CJL 3510 Prosecution and Adjudication 3 hrs
CJC 3010 Corrections and Penology 3 hrs
CJE 4014 Police and Society 3 hrs
Six semester hours of Criminal Justice Courses 6 hrs
(Slected with the aid of an advisor)

Other Requirements
- Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.
- Grades less than “C” (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Dance: Minor
College of Arts and Humanities
Theatre Department, UTC 180
http://www.theatre.ucf.edu
Contact: Brian Vernon, 407-823-2862, E-mail: bvernon@mail.ucf.edu

Credit Hour Requirements 18 hrs
Entrance Requirement
A successful audition

Required Courses (11 hrs)
DAN 3134 Dance History I 3 hrs
DAA 3612 Dance Improvisation/Composition I 3 hrs
DAA 2100C Modern Dance I 2 hrs
DAA 2200C Ballet I 2 hrs
DAA 3684 Dance Performance 1 hr

Electives (7 hrs)
DAA 2570C Jazz Dance I 2 hrs
DAA 2571C Jazz Dance II 2 hrs
DAA 2520C Tap Dance I 2 hrs
DAA 2521C Tap Dance II 2 hrs
DAA 3524C Tap Dance III 2 hrs
Minors

DAI 2020C Ballet II 2 hrs
DAI 3208C Ballet III 2 hrs
DAI 2101C Modern Dance II 2 hrs
DAI 3108C Modern Dance III 2 hrs
DAI 2393C World Dance 2 hrs
DAI 3645 Choreography Practicum 2 hrs
DAI 3684 Dance Performance 1 hr
TPA 2230L Theatre Participation 1 hr

Other Requirements
- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- Student must consult dance advisor every semester. Students who do not consult with their department advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may be used in the minor only with prior written permission.
- Participation on a minimum of one departmental dance concert.
- A minimum of three different dance styles must be completed in the minor.

DIGITAL MEDIA: Minor

College of Arts and Humanities
Digital Media, 12461 Research Parkway, 500 OTC
http://www.dm.ucf.edu
Interim Chair of Department of Digital Media: Dr. José Mauney-Caudra, 407-823-6100

Credit Hour Requirements 18 hrs
Required Courses 12 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 3138C Digital Imagery 3 hrs
COP 2500C Concepts in Computer Science 3 hrs
DIG 3716C Internet Interaction 3 hrs

Restricted Elective Courses 6 hrs
Select two courses:
DIG 3259C Assembling Digital Media 3 hrs
DIG 3253C Digital Media Audio 3 hrs
DIG 2821 Creative Digital Problem Solving 3 hrs
DIG 2485 Visual Language of the Moving Image 3 hrs
DIG 3480C Computers as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 3563 Information Management and Authorship 3 hrs
DIG 4503 Rapid Application Web Development 3 hrs
DIG 4324C Modeling for Real-time Systems II 3 hrs
DIG 4455 Interactive Performance II 3 hrs
DIG 4713 Game Design 3 hrs
DIG 4715C Game Production 3 hrs
DIG 4780C Modeling for Real-time Systems I 3 hrs
DIG 4630C Media for E-Commerce II 3 hrs
DIG 4530C Media for E-Commerce I 3 hrs

Or - any 3000 or 4000 level courses approved by the Department of Digital Media.

Other Requirements:
- A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a “B” (3.0) or better is required.
- At least 12 hours used in the minor must be earned 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.

EARLY CHILDHOOD EDUCATION: Minor

PRE-KINDERGARTEN-PRIMARY (PK-3)

College of Education
Department of Child, Family and Community Sciences
ED 209, E-mail: ece@mail.ucf.edu
http://education.ucf.edu/ece/
Program Coordinator: Judy Levin, ED 122L, 407-823-4615, E-mail: jlevin@mail.ucf.edu

The Early Childhood Education minor is intended to provide a limited, but substantive experience in the fields of education and early childhood education. The minor is intended for University students enrolled outside the College of Education and does not lead to teacher certification or admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career working with young children in the fields of education, early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2003 catalog year and beyond.

Total Credit Hour Requirements 21 hrs
Required Courses 18 hrs
EEC 4661 Early Childhood Education Theory and Practice 3 hrs
RED 3310 Early Reading, Writing and Language Arts 3 hrs
EEC 4268 Curriculum Activities in Early Childhood 3 hrs
EEC 4604 Classroom Management & Guid Yng Child 3 hrs
EEC 3700 Social and Emotional Development of Young Children 3 hrs
EEX 3450 Young Children with Special Needs 3 hrs

Restricted Electives (select one)
EEC 4751 Parent Involvement 3 hrs
EEC 4303 Planning Creative Activities in Early Childhood 3 hrs
MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
SCE 4304 Science Curriculum and Assessment in Early Childhood 3 hrs
RED 4311 Primary Reading, Writing and Language Arts 3 hrs

Note: Completion of the minor does not complete the requirements for certification in Early Childhood Education nor does it constitute admission to the College of Education.

ECONOMICS: Minor

(for Business and Non-Business Majors)
College of Business Administration
Department of Economics, BA2 305, 407-823-3266
http://www.bus.ucf.edu/economics

Not available to Economics Majors
Advisors: Michael Caputo, BA2 302Q, 407-823-1405, E-mail: mcaputo@bus.ucf.edu; D. Scroggin, BA2 302U, 407-823-4129; N. Underwood, BA2 302N, 407-823-1403

Credit Hour Requirements 18 hrs
Required Courses 9 hrs
ECON 2013 Principles of Macroeconomics 3 hrs
ECON 2023 Principles of Microeconomics 3 hrs

Select one of the following two courses:
ECON 3101 Intermediate Microeconomics 3 hrs
ECON 3203 Intermediate Macroeconomics 3 hrs

Upper Division Restricted Electives (9 hrs)
Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.

Note: ECO 3401 (or equivalents) is a pre-requisite for ECO 3101 and ECO 3203.

Other Requirements:
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
Minors

ENERGY AND SUSTAINABILITY: INTERDISCIPLINARY Minor
College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
http://www.cecs.ucf.edu/

Contact: Paul Edlen, 407-823-2455, E-mail: paule@mail.ucf.edu

Participants in the proposed minor will acquire knowledge in technical, economic and policy issues related to sustainable energy generation, conservation, management and utilization. Those completing the minor will be able to improve their understanding, awareness and job skills to have additional opportunities and advantages to pursue a career in the emerging energy sector.

Admissions Criteria:
A minimum GPA of 2.25 is required for acceptance into this minor degree program.

Credit Hour Requirements

Required Courses

- IDS 2150 Foundations of Environmental Studies 3 hrs
- EGN 4824 Energy and Society 3 hrs
- IDS 4XXX Advanced Topics in Energy and Sustainability 3 hrs

Select one course from the following two courses:
- GEB 4152 Technological Entrepreneurship 3 hrs
- IDS 4949 Internship 3 hrs

Internship proposals must be approved by the Energy Sustainability Minor program coordinator in coordination with faculty from the Office of Experiential Learning.

Restrictive Elective Courses (6 hrs)

Select any two elective courses from the following courses:

Renewable Energy

- EEL 4216 Fundamentals of Electric Power Systems 3 hrs
- EGN 4730 Renewable Energy Systems 3 hrs
- EGN 4730C Hydrogen Production and Handling 3 hrs
- EGN 4731C Fuel Cell Technologies 3 hrs

Mechanical Energy Systems Design

- ETM 4220 Applied Energy Systems 4 hrs
- EML 4454 Turbines for Sustainable Power 3 hrs
- EML 4600 HVAC Systems Engineering 3 hrs
- EML 4602 Applied HVAC Engineering 3 hrs
- EML 4411 Mechanical Power Systems 3 hrs

Water, Environment and Waste Management

- ENV 3001 Introduction to Environmental Engineering 3 hrs
- ENV 4120 Air Pollution Design 3 hrs
- ENV 4341 Solid and Hazardous Waste Management 4 hrs
- ENV 4561 Environmental Engineering Process Design 4 hrs

Business and Public Policy

- REE 3614 Environmental Issues in Real Estate 3 hrs
- ECP 3302 Economics and the Environment 3 hrs
- ECP 4302 Environment and Natural Resource Economics 3 hrs

Social and Ethical Dimensions

- INR 4350 Global Environmental Politics 3 hrs
- INR 4351 International Environmental Law 3 hrs
- PAD 4351 Issues in Environmental Program Management 3 hrs
- PHI 3640 Environmental Ethics 3 hrs
- PLA 4554 Environmental Law 3 hrs
- PUP 3203 Environmental Politics 3 hrs
- PUP 4209 Urban Environmental Policy 3 hrs
- SYD 4510 Environmental Sociology 3 hrs
Minors

Other Requirements
- A minimum grade of "C" (2.0) or better in all courses in the minor.
- A cumulative GPA of 2.5 is required to successfully complete the minor.

ENGINEERING LEADERSHIP: Minor
College of Engineering and Computer Science
Department of Industrial Engineering & Management
Systems, ENG 312, 407-823-2204
http://www.iems.ucf.edu

The Engineering Leadership Minor provides a knowledge base in engineering leadership principles and practices as well as management techniques in a technical environment. This minor is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering profession.

Credit Hour Requirements 18 hrs

Admission Requirement
Acceptance to the program is from a pool of applicants each fall term for the two semester program. Admission requires an interview with the Director of this minor program, submission of the applicant’s resume with academic and outside activity information, and an essay prepared by the applicant explaining their interest in the program with self development issues they would like to explore in the program.

Required Courses (18 hrs)
- EGN 3613 Engineering Economy 2 hrs
- EIN 3354 Principles of Cost Engineering 3 hrs
- EGN 4624 Engineering Administration 3 hrs
- EIN 4191C Engineering Leadership I (Fall) 2 hrs
- EIN 4192C Engineering Leadership II (Spring) 2 hrs
- Two Engineering Design courses 6 hrs

Other Requirements
- A minimum GPA of 3.0 is required for acceptance into this minor degree program
- A cumulative GPA of 2.0 is required to successfully complete the minor.
- Students must have a Grade of "C" (2.0) or better in all courses in the minor.
- Any course substitution must be approved by IEMS Undergraduate Coordinator and/or Department Chair.
- Only open to CECS undergraduate students

ENGLISH - LITERATURE: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-2212

Credit Hour Requirements 21 hrs

Required Course
- ECR 3120 Theory & Practice of Tech Writing 3 hrs

Restricted Elective Courses
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
- CRW 3610 Writing Scripts Workshop 3 hrs

Select one course
- CRW 4122 Advanced Fiction Writing Workshop (PR: CRW 3120) 3 hrs
- CRW 4224 Advanced Nonfiction Writing (PR: CRW 3111) 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop (PR: CRW 3310) 3 hrs
- CRW 4616 Advanced Script Writing Workshop (PR: CRW 3610) 3 hrs

Restricted Upper Division Electives (12 hrs)
- CRW 3311 Structure of Verse 3 hrs
- CRW 4114 History of Prose Style 3 hrs

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.

ENGLISH - LINGUISTICS: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-2212

Credit Hour Requirements 18 hrs

Required Courses (9 hrs)
- LIN 3010 Introduction to Linguistics 3 hrs
- LIN 4105 History of the English Language 3 hrs
- LIN 4680 Modern English Grammar 3 hrs

Restricted Upper Division Electives (9 hrs)
- LIN 4643 Cross Cultural Communication 3 hrs
- LIN 4660 Linguistics and Literature 3 hrs
- LIN 4801 Language and Meaning 3 hrs
- LIN 5137 Linguistics 3 hrs
- ANT 3640 Language and Culture 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- PHI 4221 Philosophy of Language 3 hrs
- SPA 3112 Basic Phonetics 3 hrs
- or any course approved by the Linguistics Committee

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH - LITERARY WRITING: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-2212

Credit Hour Requirements 21 hrs

Required Course
- ENL 3014 Theories and Techniques of Lit Study 3 hrs

Restricted Upper Division Electives (18 hrs)
- ENL 3015 History of the English Language 3 hrs
- ENL 4191C Principles of Cost Engineering 3 hrs
- ENL 4192C Engineering Leadership I (Fall) 3 hrs
- ENL 4193C Engineering Leadership II (Spring) 3 hrs
- ENL 4200 Engineering Administration 3 hrs

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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH - TECHNICAL COMMUNICATION: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-1159

Credit Hour Requirements 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 in Technical Communication 3 hrs
- ENC 4280 Technical Writing Style 3 hrs
- ENC 4293 Documentation and the Collaborative Process 3 hrs
- ENC 4294 Documentation and Client-Based Collaboration 3 hrs

Students completing the minor may intern with a Central Florida corporation
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 Humanities
Department of English, CHH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu

Credit Hour Requirements
18 hrs

Required Introductory Courses
(11 hrs)

CRW 3013 Creative Writing for English Majors
CRW 3120 Fiction Writing Workshop
CRW 3211 Creative Nonfiction Writing
CRW 3310 Poetry Writing Workshop
CRW 3311 Structure of Verse
CRW 3610 Writing Scripts
CRW 4122 Advanced Fiction Writing Workshop
CRW 4123 Science Fiction Writing
CRW 4224 Advanced Nonfiction Workshop
CRW 4220 Advanced Poetry Writing Workshop
CRW 4616 Advanced Screen Writing
ENC 3211 Theory and Practice of Technical Writing
ENC 3241 Writing for the Technical Professional
ENC 3250 Professional Writing
ENC 3310 Magazine Writing II
ENC 3311 Advanced Expository Writing

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH LANGUAGE ARTS EDUCATION: Minor
(Open to Non-English Language Arts Education Majors)
College of Education
Department of Teaching and Learning Principles
ED 209
http://education.ucf.edu/englished/
Program Coordinator: Jeff Kaplan, ED 122B, 407-823-2041; E-mail: jkaplan@mail.ucf.edu

The English Language Arts Education minor is intended for non-English Language Arts Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Credit Hour Requirements
18 hrs

Required Introductory Courses
(11 hrs)

EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students In Schools 3 hrs
RED 4043 Content Reading Kindergarten thru Grade 12 3 hrs
LAE 4360 English Instructional Analysis 3 hrs
LAE 4342 Teaching Language and Composition 3 hrs

Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 sh of courses in English Language Arts as co-requisites
- At least 12 hours in the minor must be earned at UCF

ENTREPRENEURSHIP: Business Minor
(Open to Business Students)
College of Business Administration
Management Department, BA 309

Credit Hour Requirements
18 hrs

Required Courses
(15 hrs)

MAN 3301 Human Resource Management 4 hrs
MAN 4802 Entrepreneurship 4 hrs
MAR 3391 Professional Sales or MAR 3641 Marketing Intelligence 4 hrs
GEB 4111 New Venture Finance 3 hrs
GEB 4110 Business Plan Preparation 3 hrs

Credit Hour Requirements
15 hrs

Restricted Electives
(3 hrs)

Any 3000 or 4000 level ENC or CRW classes for which the student has met the prerequisites, including

CRW 3013 Creative Writing for English Majors
CRW 3120 Fiction Writing Workshop
CRW 3211 Creative Nonfiction Writing
CRW 3310 Poetry Writing Workshop
CRW 3311 Structure of Verse
CRW 3610 Writing Scripts
CRW 4122 Advanced Fiction Writing Workshop
CRW 4123 Science Fiction Writing
CRW 4224 Advanced Nonfiction Workshop
CRW 4220 Advanced Poetry Writing Workshop
CRW 4616 Advanced Screen Writing
ENC 3211 Theory and Practice of Technical Writing
ENC 3241 Writing for the Technical Professional
ENC 3250 Professional Writing
ENC 3310 Magazine Writing II
ENC 3311 Advanced Expository Writing

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hrs of the above listed required or elective courses can count toward another major or minor degree program.

ENTREPRENEURSHIP: Minor for Non-Business Majors
College of Business Administration
Department of Management, BA 309

Credit Hour Requirements
20 hrs

Required Introductory Courses
(11 hrs)

MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs
GEB 3113 How to Start a Business or MAR 3391 Professional Sales 4 hrs
MAN 3301 Human Resource Management 3 hrs

Required Entrepreneurship Courses
(9 hrs)

MAN 4802 Entrepreneurship 3 hrs
GEB 4111 New Venture Finance 3 hrs
GEB 4110 Business Plan Preparation 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- A maximum of six hours of required or elective coursework can count toward another major or minor degree program.

ENVIRONMENTAL STUDIES: Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Contact: Interdisciplinary Studies Advising Team, 407-823-0144

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspective and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.
Minors

Credit Hour Requirements: 21 hrs

Note: It is the student’s responsibility to ensure that prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

Required Core Courses
- IDS 3150 Foundations of Environmental Studies (3 hrs)

Science & Environmental Electives (9 hrs)
- BSC 1050&L Biology and Environment + Lab
- BSC 2011C Biology II
- BOT 3152C Local Flora
- BOT 4152C Florida Wildflowers
- BOT 3800 Ethnobotany
- BOT 4332C Plant Kingdom
- BOT 4685C Conservation and Management of Native Plants
- BOT 4713C Plant Taxonomy
- BSC 4312C Marine Biology
- OCE 3008 Oceanography
- PCB 3044&L Principles of Ecology and Lab
- PCB 3442 Florida Aquatic Ecology
- PCB 4302C Physiochemical Limnology
- PCB 4303C Biological Limnology
- PCB 4603 Evolutionary Biology
- CHM 3120 Analytical Chemistry
- HSC 4500 Epidemiology
- ENV 3001 Introduction to Environmental Engineering
- ENV 4341 Solid Waste Management
- PCB 3063 Genetics
- PCB 3304C River Ecology
- PCB 3314 Marine Biodiversity

Social & Humanities Electives (9 hrs)
- ECP 3302 Economics and the Environment
- ECP 4302 Economics of the Environment
- GEO 4701 The Global Economy
- INR 4351 International Environmental Law
- PUP 3203 Environmental Politics
- PUP 4503 Government and Science
- PAD 4351 Issues in Environmental Program Management
- PAD 3330 Urban and Regional Planning
- PLA 4564 Land Use and Environmental Law
- PUP 4204 Sustainability
- GEO 2370 Resources Geography
- GIS 3043C GIS for Environmental Studies
- GIS 4301C Advanced GIS Applications in Environmental Studies
- GIS 4035C Remote Sensing of the Environment
- PHI 3033 Philosophy, Religion, and the Environment
- PHI 4400 Philosophy of Science
- PHI 3640 Environmental Ethics
- PHI 4633 Ethics and Biological Science
- PHM 4031 Environmental Philosophy

Other Requirements
- A grade of “C” or above (2.0) is required in each course used to satisfy the minor.
- 18 hours must be taken at the upper division.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study require prior approval from the Interdisciplinary Studies advisors to be used toward the minor.
- Internship, independent study, and co-op credit cannot be used in this minor without prior approval from the Interdisciplinary Studies advisors.

EUROPEAN STUDIES: Minor

College of Sciences
Department of Political Science, PH 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@mail.ucf.edu

Contact: Kerstin Hamann, 407-823-2608

An interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the director of European Studies.

Credit hour requirements: 21 hrs

Students are responsible for meeting any prerequisites for the courses in the minor.

Required core courses: (6 hrs)
- CPO 4101 Politics of the European Union
- LIT 3082 Continental European Fiction since 1900

Restricted Electives: (12 hrs)

Literature, Film, and Culture: (3 hrs)
- ENL 2022 English Literature II
- ENL 4101 English Novel
- ENL 4240 English Romantic Writers
- ENL 4262 19th Century British Prose
- ENL 4273 Modern British Literature
- FIL 3820 Italian Film
- FIL 3822 French Film
- FIL 3823 German Film
- FRE 4500 French Civilization and Culture
- FRW 4281 20th Century French Novels
- FRW 4324 20th Century French Drama
- FRW 4532 French Romanticism
- FRW 4552 Nineteenth Century French Literature
- GER 3102 Germany - Past to Present
- GER 4520 Modern Germany
- GER 3101 Survey of German Literature II
- GER 3370 German Short Story
- GES 3480 German Post-War Literature
- GES 4482 German Children’s Literature
- GES 4531 The Age of Goethe and Schiller
- ITT 4956 Study Abroad: Italian Civilization
- ITW 3011 Survey of Italian Literature II
- JST 3751 Literature of the Holocaust
- LIT 4184 Irish Literature
- MUL 3604 German Song Literature
- MUL 3605 French Song Literature
- SPW 3180 Survey of Spanish Literature II
- SPW 3380 Spanish Short Story
- SPW 4272 20th Century Spanish Novel
- SPW 4322 Contemporary Iberian Theatre
- SPW 4460 Spanish Literary Theory
- SPW 4460 Nineteenth Century Spanish Literature
- SPW 4720 The Generation of 1898

History: (6 hrs)
- EUH 3235 Romanticism and Realism
- EUH 3242 Modern Europe and the First World War
- EUH 3281 Second World War and Rebirth of Europe
- EUH 3315 History of Modern Spain
- EUH 3411 Ancient Rome
- EUH 3431 History of Modern Italy
- EUH 3451 History of Modern France
- EUH 4284 Fascism and the Totalitarian Dictatorships
- EUH 4400 The History of Ancient Greece
- EUH 4465 Hitler’s Third Reich
- EUH 4501 English History: 1485-1815
- EUH 4502 English History: 1603-1714
- EUH 4574 History of Russia: 1801-1917
- EUH 4576 History of Russia in the 20th Century
- EUH 4582 20th Century Russian Diplomatic History
- EUH 4610 Women in European Society
- EUH 4620 European Great Powers: 1815-1914
- GER 4510 Life and Culture in Nazi Germany
- JST 3701 History of the Holocaust

Political Science or Economics: (3 hrs)
- CPO 3104 Politics of Western Europe
- CPO 3614 Politics of Eastern Europe
- CPO 4074 Political Economy
- CPO 4123 Government and Politics of Great Britain
- CPO 4445 Comparative Political Parties
- CPO 4643 Government and Politics of Russia
- ECO 3703 International Trade
- INR 4035 International Political Economy

Other: (3 Hrs)
- may be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or
- ARH 4430 19th Century Art
- ARH 4450 20th Century Art
- PHH 3510 Marx and Nietzsche
- PHP 3783 Modernity as a Philosophical Problem
- PHP 3786 Existentialism
- PHP 4782 Phenomenology

Any course substitutions are subject to prior approval by the director.

Foreign Language Requirement:
Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).
EXCEPTIONAL EDUCATION: Minor
College of Education
Department of Child, Family and Community Sciences
ED 209

http://www.education.ucf.edu
Program Contact: Linda Alexander, ED 315, 407-823-2598; E-mail: lalexand@mail.ucf.edu

The Exceptional Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor is appropriate for students who are seeking an enhanced understanding of exceptional education or are considering a career in the field of education or related fields. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2001 catalog year and beyond. The minor does not lead to teacher certification nor admission to the College of Education.

Credit Hour Requirements
18 hrs

Required Courses:
- EEX 2090 Exceptional Populations in Schools & Society 3 hrs
- EEX 4066 Curriculum, Theory & Instruct Strategies 3 hrs
- EEX 4601 Introduction to Behavior Management 3 hrs
- EEX 4763 Tech for Classroom Teachers of Students with Spec Needs 3 hrs

Choose the appropriate Restricted Electives as follows:
Choose either an elementary or secondary focus.

Elementary Restricted Electives (6 hrs)
- EEX 4070 Teaching Exceptional Students 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- EEX 3221 Assessment of Exceptional Students

Secondary Restricted Electives (6 hrs)
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- EEX 3243 Techniques for Exceptional Adolescents/Adults 3 hrs
- EEX 3221 Assessment of Exceptional Students

Other Requirements
- Completion of all parts of the CLAST with appropriate passing scores (no alternatives or waivers), or completion of an AA 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 classes including ENC 1101, 1102, and two college level math courses, MAC 1105 or higher, is required.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Note: Completion of the minor does not complete the requirements for certification in Exceptional Education nor does it constitute admission in the College of Education.

FINANCE: Minor
Open to Business and Non-Business Students
College of Business Administration
Department of Finance, BA 409
http://www.bus.ucf.edu/finance
Not available to Finance Majors

Credit Hour Requirements
19 hrs

Prerequisite courses:
- ACG 2021 Principles of Financial Accounting
- ACG 2071 Principles of Managerial Accounting
- ECO 2011 Principles of Microeconomics
- ECO 2023 Principles of Macroeconomics

Required courses
10 hrs
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403C Business Finance 4 hrs
- FIN 3303 Financial Markets 3 hrs

Electives (select three of the following)
9 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3461 Financial Statement Analysis 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- FIN 3431 Management of Financial Institutions 3 hrs
- FIN 4424 Advanced Topics in Financial Management 3 hrs
- FIN 4453 Financial Models 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4604 International Financial Management 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

FILM - CINEMA STUDIES: Minor
College of Arts and Humanities
Film, COMM 121, 407-823-4285
http://www.film.cah.ucf.edu
E-mail: film@ucf.edu
Department Chair: S. Schlow, 407-823-2845

Entrance Requirement
- Completion of a Minor Declaration and Minor Application
Minors

FITNESS TRAINING: Minor
College of Education
Department of Child, Family and Community Sciences, ED 209
Program Coordinator: Anna Valdes, ED 320H, 352-536-2141; E-mail: asarmlien@mail.ucf.edu

The Fitness Training minor is developed to provide the student interested in working in wellness centers as personal trainers the knowledge and experience to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups.

With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to receive certification from The American Council on Exercise. This Minor is available for students in the 2001 Catalog Year and beyond.

Credit Hour Requirements    *19 hrs

Required Courses
PET 4312 Biomechanics            3 hrs
PET 4550 Fitness Assessment       3 hrs
PET 4083 Practical Fitness Training 3 hrs
*ZOO 3736C Exercise Physiology Anatomy 4 hrs
*(Take First)

Restricted Electives - Choose 2 classes from the following:
PET 3891 Nutrition for Sports and Fitness 3 hrs
PET 3771 Fitness and Conditioning Concepts 3 hrs
PET 3768 Group Exercise Instruction
PET 4215 Applied Exercise and Human Physiology
PET 4215 Motivational Aspects of Athletic Performance
*If the student has completed a Human Anatomy course with a laboratory requirement at another school, it can be substituted for ZOO3736C.

Note: ZOO 3736C should be taken prior to PET 4312, PET 4550, and PET 4083

Other Requirements
■ No grades below "C-" (1.75) and no “S” grades will be accepted.
■ At least 12 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

FRENCH: Minor
College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://mill.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements    18 hrs

Restricted Electives
■ Select six upper division courses in French, including the 3000-level advanced oral communication and composition courses.
■ A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course. Approval of a departmental advisor is required prior to registration.

Other Requirements
■ A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

GERMAN: Minor
College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://mill.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements    18 hrs

Restricted Electives
■ Select six upper division courses in German, including the 3000-level advanced oral communication and composition courses.
■ A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course. Approval of a departmental advisor is required prior to registration.

Other Requirements
■ A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

HEALTH INFORMATION MANAGEMENT: Minor
College of Health and Public Affairs
Department of Health Management and Informatics, HPA2 210
Contact: Alice M. Noblin, RHIA, 407-823-2353,
E-mail: anoblin@mail.ucf.edu

Credit Hour Requirements    20 hrs

Required Courses
(20 hrs)
HIM 3006 Foundations of Health Information Management 3 hrs
HIM 4506C Quality Management 3 hrs
HIM 4665C Health Information Management Systems 3 hrs
HSC 3537 Medical Terminology 3 hrs
HIM 4226C Coding Procedures I 5 hrs
HIM 4256C Coding Procedures II 3 hrs

Other Requirements
■ A minimum overall GPA of 2.5 is required. A minimum grade of “C” (2.0) is required in each course for the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by examination (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor without departmental approval.

HEALTH SCIENCES: Minor
College of Health and Public Affairs
Department of Health Professions, HPA2 212
Contact: L. Timothy Worrell, 407-823-5236,
E-mail: worrell@mail.ucf.edu

Credit Hour Requirements    18 hrs

Required Courses
(9 hrs)
HSA 3111 U.S. Health Care Systems 3 hrs
HUN 2002 Modern Concepts of Nutrition 3 hrs
HSC 3110C Medical Self Assessment 3 hrs

Restricted Upper Division Electives
(9 hrs)
9 additional hours of upper division courses in the Health Professions department.

Other Requirements
■ Majors may not count courses presently required in a department program.
■ A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all Health Professions courses.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

HEALTH SERVICES ADMINISTRATION: Minor
College of Health and Public Affairs
Department of Health Management and Informatics, HPA2 210
Contact: Kendall Cortelyou-Ward, PhD, 407-823-2359,
E-mail: hsainfo@mail.ucf.edu

Credit Hour Requirements    18 hrs

Required Courses
(15 hrs)
HSA 3111 U.S. Health Care Systems 3 hrs
HSC 4201 Community Health Services 3 hrs
HSA 4180 Org and Management for Health Agencies I 3 hrs
HSA 4191 Health Care Automation 3 hrs
HSC 4500 Epidemiology 3 hrs

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### Restricted Elective (3 hrs)
- HSC 4652 Health Care Law & Ethics or
- HSA 4109 Managed Care or
- HSA 4502 Risk Management or
- HIM 4506C Quality Management or
- HSA 4702 Health Science Research Methods

(Additional prerequisite courses may be required)

### Other Requirements
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all courses for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

### HUMANITIES: Minor

**College of Arts and Humanities**

**Department of Philosophy, PSY 220**

[http://www.cah.ucf.edu/philosophy](http://www.cah.ucf.edu/philosophy)

**E-mail: philosophy@ucf.edu**

**Contact:** Rosalind J. Beiler, 407-823-2273

#### Credit Hour Requirements

21 hrs

#### Humanities Foundations

Select two courses:
- HUM 3431 Ancient Humanities
- HUM 3435 Medieval Humanities
- HUM 3255 Modern Humanities
- HUM 3252 Contemporary Humanities

#### Humanistic/Religious Traditions

Select two courses:
- HUM 3401 Asian Humanities
- HUM 3417 Hindu Thought and Culture
- HUM 3419 Islamic Thought and Culture
- HUM 3552 Christian Thought
- HUM 3553 Moses, Jesus and Muhammad
- ANT 3245 Native American Religions
- PHH 3701 Native American Philosophy
- JST 3401 The Jewish People

#### Applications

Select two courses:
- PHI 3803 Philosophy and Creativity
- PHI 3033 Philosophy, Religion, and the Environment
- PHM 3123 Feminist Theories
- REL 3115 Religion, Spirituality, and Popular Music
- REL 3111 Religion and Philosophy through Film
- HUM 4554 Religious Quest and the Human Dilemma
- HUM 4330 Performance Theory
- PHI 3022 Sexuality, Gender & Philosophy
- PHI 3638 Ethical Issues in the 21st Century
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self

#### Upper Division Restricted Elective

3 hrs

Select one additional course from the above list or from the following:
- HUM 3320 Contemporary Multicultural Studies
- HUM 4301 Classical Ideal
- HUM 4303 Spiritual Ideal
- PHI 4804 Critical Theory
- PHI 3800 Aesthetics
- PHI 3700 Philosophy of Religion
- CLT 3370 Classical Mythology
- CHP 3378 Comparative Mythology

#### Other Requirements
- A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than two courses (i.e. six credit hours) of 3000 or 4000 level courses applied to the Humanities Minor may be simultaneously applied to fulfill another major.

### HOSPITALITY MANAGEMENT: Minor

**Rosen College of Hospitality Management**

9907 Universal Boulevard

Orlando, Florida 32819

407-903-8000

[http://www.hospitality.ucf.edu](http://www.hospitality.ucf.edu)

**E-mail: hospitality@mail.ucf.edu**

**Dean:** Abraham Pizam

#### Credit Hour Requirements

18 hrs

#### Required Courses

18 hrs

- HFT 1000 Introduction to Hospitality Management 3 hrs
- HFT 3540 Guest Services Management 3 hrs

**Choose any two courses from the following:**

18 hrs

- HFT 2401 Hospitality Financial Accounting 3 hrs
- HFT 3431 Hospitality Managerial Accounting 3 hrs
- HFT 2500 Hospitality Marketing 3 hrs
- HFT 2220 Hospitality Human Resource Management 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs
- HFT 3663 Legal Environment in Hospitality 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4286 Hospitality Communications 3 hrs

**Choose any two courses from the following:**

18 hrs

- HFT 3700 Tourism Management 3 hrs
- HFT 3263 Restaurant Management 3 hrs
- HFT 3273 Principles of Resort Time Sharing 3 hrs
- HFT 4755 Theme Park & Attraction Management 3 hrs
- HFT 2750 The Event Industry 3 hrs
- FSS 2221C Quantity Food Preparation 3 hrs
- HFT 2254 Lodging Operations 3 hrs
- HFT 4277 Yacht, Country, and City Club Management 3 hrs

#### Other Requirements
- A minimum GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the College.
- No credit by exam (TSD, Military credit) may be used in the minor.

**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.**
INFORMATION TECHNOLOGY: Minor
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr, Rm 246
http://www.eecs.ucf.edu
Contact: Mark Llewellyn, E-mail: Mark@cs.ucf.edu
Credit Hour Requirements 18-19 hours
Required Courses (3-7 hrs)
Select one of the following options:
Option 1 (Not open to Computer Science Minors or Interdisciplinary Studies Majors):
CGS 1060C or CGS 2100C 3 hrs
COP 2500C Concepts in Computer Science 4 hrs
Option 2 (Not open to Computer Science Minors or Interdisciplinary Studies Majors):
COP 3223 Intro to Programming with C 3 hrs
COP 3502C Computer Science I 3 hrs
Option 3 (Computer Science Minors and Interdisciplinary Studies Majors Only):
CGS 1060C or CGS 2100C 3 hrs
Restricted Electives (9 hrs)
Select from the following:
CGS 2545C Database Concepts 3 hrs
CGS 2585C Desktop/Internet Publishing 3 hrs
CGS 3375 Internet Applications 3 hrs
CGS 3269 Computer Architecture Concepts 3 hrs
CNT 3004 Computer Networks Concepts 3 hrs
CGS 3763 Operating Systems Concepts 3 hrs
College Electives Options 1 and 2 (3-6 hrs) 2 hrs
Options 3 (6 hrs)
Any upper division courses offered within Computer Science at UCF or additional courses chosen from the restricted electives (exclusive of independent studies, internship, and those courses listed under Required Courses). See other requirements.

Other Requirements
- Not open to Information Technology majors.
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least nine hours used in the minor must be earned within the Computer Science program at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.
- The courses used to satisfy the college electives for this minor cannot also be used to satisfy the requirements for a Computer Science Minor.

INTELLIGENT ROBOTIC SYSTEMS (IRS):
INTERDISCIPLINARY Minor
College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
http://www.cecs.ucf.edu
Contact: Paul Edlen, 407-823-2455, E-mail: paule@mail.ucf.edu
Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
EGN 3060C Introduction to Robotics 3 hrs
Select two courses from the following five courses:
Control Systems
EEL 3567 Linear Control Systems 3 hrs
EML 4312C Feedback Control 3 hrs
Manipulation and Robotic Motion
EGN 3321 Engineering Analysis – Dynamics 3 hrs
EML 3526 Kinematics of Mechanism 3 hrs
Computer Vision and Intelligent Systems
CAP 4453 Video and 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 5669 Autonomous Robotic Systems 3 hrs
EEL 4612 Intro to Modern and Robust Ctrl 3 hrs
EEL 4750 Digital Signal Proc Fund 3 hrs
EEL 5173 Linear Systems Theory 3 hrs
EEL 5513 DSP Applications 3 hrs
EEL 5630 Digital Control Systems 3 hrs
EEL 5820 Image Processing 3 hrs
EEL 6205 Pattern Recognition 3 hrs
EML 5311 System Control 3 hrs

Computer Vision and Intelligent Systems
CAP 5415 Computer Vision 3 hrs
CAP 5512 Evolutionary Computation 3 hrs
CAP 55610 Machine Learning 3 hrs
Mechatronics and MEMS
EML 4804C Digital Control in Mechatronics 3 hrs
EEL 5625 Applied Control Systems 3 hrs
EML 5290 Intro to MEMS & Micromachining 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- Students whose major requires senior design courses are encouraged to take the multidisciplinary senior design course (EGN 4412C and EGN 4413C) and to undertake a project in intelligent robotic systems.
- A high-level programming language class (EGN 3211 or COP 3223 or equivalent) is required for the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

INTERDISCIPLINARY INFORMATICS TECHNOLOGY
(I2Tech): Minor
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
http://www.eecs.ucf.edu/I2Tech/
Contact: Mark Llewellyn, E-mail: mark@cs.ucf.edu
Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
CET 3010 Introduction to Information Technology or
COP 3060C Introduction to Computer Science or
COP 3100C Computer Fundamentals for Business or
COP 3502C Introduction to Computer Science I
CGS 3175 Internet Applications 3 hrs
Healthcare Informatics Concentration (9 hrs)
CGS 4144 Introduction to Informatics 3 hrs
HIM 3006 Introduction to Health Information Management 3 hrs
HSA 4191 Health Care Automation 3 hrs
Technical Elective
Students should consult with the program coordinator for a list of the approved technical electives.

Other Requirements
- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include basic computer skills.
- No credit by exam (TSD, Military credit) may be used.

INTERNATIONAL AND GLOBAL STUDIES: MINOR
College of Sciences
Department of Political Science, PH 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Contact: Waltraud Morales, 407-823-2608
Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Other Requirements
- Double major/dual degree policy in Political Science programs and minors
  1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs
  2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

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INTERNATIONAL ENGINEERING: Minor

College of Engineering and Computer Science
CECS Academic Affairs Office, ENGR 107
http://www.cecs.ucf.edu

Contact: Avelino Gonzalez, 407-823-5027;
E-mail: gonzalez@mail.ucf.edu

The objective of this minor is to provide engineering, computer science and engineering technology students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Admission Requirement

Admission by interview with the Program Director

Credit Hour Requirements 18-20 hrs

The International minor in Engineering, Computer Science, or Engineering Technology is composed of three parts:

1) Language Skill Acquisition (6-8 hrs)

It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries in which English is widely spoken.

If the student demonstrates proficiency through exam or if the language requirement is waived, he/she will instead take six hours of alternative international coursework at UCF in lieu of the foreign language credits. This alternative international coursework will consist of:

- IDS 3333 World Comparative Studies
- GEO 3471 World Political Geography

(Or an equivalent approved by the program coordinator)

2) Cultural Courses (3 hrs)

It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of three ways, in decreasing order of preference:

- A minimum of six hours of the above listed required or elective courses can count toward another major or minor degree program.
Minors

1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available.

2) If this is not possible, then the minor coordinator will select EGN 3940 - Practicum as an acceptable alternative. In this alternative, the student will be paired with a CECS faculty member of the same culture of the country or region where the student seeks to go. The faculty member will arrange the student a semester-long project that will entail a technical aspect as well as a cultural aspect.

3) If such a mapping cannot be made, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

3) Study Abroad Experience (9 hrs)
The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students have the option to either:

(1) complete nine hours of technical coursework (classroom studies) in residence at a partner institution abroad, or

(2) complete six hours of technical coursework in residence (classroom studies) at a partner institution abroad, plus one semester (three hours) as an engineering or technology intern abroad in a career-related position with a company in the same country or region.

Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalences of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

Other Requirements

- A minimum cumulative GPA of 2.5 is required in the minor/certification.

- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

INTERPERSONAL/ORGANIZATIONAL COMMUNICATION: Minor
College of Sciences
Nicholson School of Communication
COMM 238, 407-823-2681
http://communication.cos.ucf.edu
Contact: R. Morales

Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

Credit Hour Requirements 21 hrs
Required Courses (12 hrs)

- COM 3311 Communication Research Methods
- COM 301C Communication and Human Relations
- COM 3120 Organizational Communication
- SPC 3301 Interpersonal Communication

Restricted Electives (9 hrs)

- SPC 3513 Argumentation & Debate
- COM 3110 Business & Professional Communication
- COM 4014 Gender Issues in Communication
- SPC 4331 Nonverbal Communication
- SPC 4540 Attitudes and Communication
- SPC 4426 Group Dynamics
- COM 4461 Intercultural Communication
- COM 4462 Conflict Management
- COM 3013 Communication and the Family
- SPC 4466 Communication and Motivation

Independent study or Special topics course if approved by the coordinator prior to enrolling in the class.

Other Requirements

- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit can be used toward the minor with prior approval.

ITALIAN: Minor
College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements 18 hrs

Restricted Electives

- Select 6 upper division courses in Italian, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course. Approval of a departmental advisor is required prior to registration.

Other Requirements

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

JUDAIC STUDIES: Minor
College of Arts and Humanities
Judaic Studies Program, CNH 415 E-J
http://www.judaicstudies.cah.ucf.edu/
E-mail: judaicst@pegasus.cc.ucf.edu
Program Director: Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The Program cooperates with the departments of English, Modern Languages, History, Philosophy, Political Science, and Anthropology/Anthropology, and with the Interdisciplinary Studies and Women’s Studies Programs. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours) (or proficiency) and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For Certificate requirements, refer to the section on Judaic Studies Certificate.

Credit Hour Requirements 18 hrs plus Hebrew (8 hrs)

Required Courses (or proficiency) in Hebrew (8 hrs)

- HBR 1120 Elementary Modern Hebrew Lang and Cult I
- HBR 1121 Elementary Modern Hebrew Lang and Cult II

Upper Division Courses (18 hrs)

- JST 3401 The Jewish People I
- JST 3402 The Jewish People II
- JST 3481 20th Century Jewish History and Thought
- JST 3550 Introduction of Modernism into Judaism
- JST 3701 History of the Holocaust
- JST 3120 Hebrew Scriptures
- JST 3125 The Book of Job
- JST 3126 Romantic Love in the Bible
- JST 3144 Dead Sea Scrolls
- JST 3312 Identity and Genre
- JST 3751 Literature of the Holocaust

Language

- HBR 2200 Intermediate Modern Hebrew Language and Culture I
- HBR 2201 Intermediate Modern Hebrew Language and Culture II
- HBR 3250 Biblical Hebrew
- HBR 3410 Conversational Israeli Hebrew
Minors

### LATIN AMERICA AREA STUDIES: Minor

**College of Arts and Humanities**

**CNH 406 E & 406 F, 407-823-1173 or 1174**

**Program Director:** José M. Maunez-Cuadra, E-mail: jmaunez@mail.ucf.edu

The minor provides students with an interdisciplinary knowledge of, and the necessary skills 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 1120C and SPN 1121C or demonstration of proficiency.

**Restricted Electives** (18 hrs)

At least six hours must be from one disciplinary group, and at least three hours from two additional groups. The other 12 must be selected from any of the disciplinary groups. Additional courses not listed below may substitute with prior approval from the Program Director.

- **Anthropology:**
  - ANT 3104 Ancient Inca
  - ANT 3168 Maya Archaeology
  - ANT 4352 People and Cultures of Latin America
  - ANT 4340 Caribbean Cultures
  - ANT 4308 Gender Issues in Latin America
  - ANT 3168 Maya Archeology

- **Art History:**
  - ARH 4655 Meso American Art
  - ARH 3673 Modern Art of Mexico
  - ARH 3670 20th Century Latin American Art

- **Modern Languages and Literature:**
  - SPN 2200 Intermediate Spanish Language & Civilization
  - FRW 3770 Francophone Literature
  - SPW 3120 Survey of Latin American Literature I
  - SPW 3131 Survey of Latin American Literature II
  - LIT 3192 Caribbean Literature
  - FRW 3752 French Caribbean Literature
  - SPN 4382 Literature of Central America
  - AML 3615 Harlem, Haiti, and Havana
  - AML 4630 Latino/Latina Literature
  - SPN 3852 Bilingualism
  - SPW 4730 Hispanic Literature of the United States
  - SPW 4780 Spanish Phonetics

- **History:**
  - LAH 3130 Latin American History I
  - LAH 3200 Latin American History II
  - LAH 3400 History of Mexico and Central America
  - LAH 3470 History of the Caribbean
  - AMH 3586 History of the Hispanic minorities in the US

- **Latin American Studies:**
  - LAS 4906 Independent Study in Latin American, Caribbean and Latino Studies
  - LAS 4023 African Caribbean Experience

- **Political Science:**
  - CPO 4303 Comparative Latin American Politics
  - INR 4243 International Politics of Latin America
  - CPO 5334 Contemporary Politics in the Maya Region

**Other Requirements**

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.

#### Total Credit Hour Requirements (19+ hrs)

**Foundation Requirement**

- LDR 1XXX Foundations of Leadership (2 hrs)
- LDR 1XXX Intermediate Foundations of Leadership (2 hrs)

**Restricted Requirements (15+ hrs)**

Choose one course from each of the five areas.

**A. Communication**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3011C</td>
<td>Communication and Human Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3120</td>
<td>Organizational Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4461</td>
<td>Intercultural Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3250</td>
<td>Professional Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 3445</td>
<td>Leadership Through Oral Communication</td>
<td>3 hrs</td>
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</table>

**B. Collaboration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>INP 3004</td>
<td>Industrial/Organizational Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INP 4313</td>
<td>Organizational Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4240</td>
<td>Organizations: Theory and Behavior</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPC 4426</td>
<td>Group Dynamics</td>
<td>3 hrs</td>
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</table>

**C. Social Relations and Culture**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ANT 3541</td>
<td>Biobehavioral Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CLP 3143</td>
<td>Abnormal Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4461</td>
<td>Intercultural Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXP 3304</td>
<td>Motivation</td>
<td>3 hrs</td>
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<tr>
<td>SOP 3004</td>
<td>Social Psychology</td>
<td>3 hrs</td>
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<tr>
<td>SOP 3723</td>
<td>Cross Cultural Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3742</td>
<td>Psychology of Women</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3784</td>
<td>Psychology of Diversity</td>
<td>3 hrs</td>
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</table>

**D. Politics**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PAD 3003</td>
<td>Public Administration in American Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4104</td>
<td>Administration Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4144</td>
<td>Non-Profit Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAF 4754</td>
<td>Interdisciplinary Leadership in Public Affairs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 3413</td>
<td>The American Presidency</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 4206</td>
<td>Political Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Minors

**PUP 3325** Women and Political Behavior (3 hrs)
(PR: POS 2041 or CI) Offered every two years

**SYO 4300** Political Sociology (3 hrs)

**E. Ethics**

**BUL 3130** Legal and Ethical Environment of Business (4 hrs)

**EDF 3601** Professional Ethics in Education (3 hrs)

**PAD 3040** Ethics and Values in Public Administration (3 hrs) (PR: Junior standing or CI)

**PHI 2108** Critical Thinking (3 hrs)

**PHI 3638** Ethical Issues in the 21st Century (3 hrs) (PR: PHI 2010 or CI)

**PHI 3640** Environmental Ethics (3 hrs) (PR: Junior Standing)

**Other Requirements**
- Earn a grade of "C" (2.0) or better in each course used to satisfy the minor.
- At least 15 credit hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.

**LEGAL STUDIES: Minor**

**College of Health and Public Affairs**

**Department of Criminal Justice and Legal Studies, HPA 311**
Contact: David B. Slaughter, 407-823-2603, E-mail: dsslaughter@mail.ucf.edu

**Credit Hour Requirements**

**Required Courses**
- PLA 3013 Law and the Legal System (3 hrs)

**Restricted Upper Division Electives**
- 15 semester hours of legal studies courses selected with the aid of an advisor.

**Restricted Electives**
- 3 semester hours of law-related courses selected with the aid of an advisor.

**Other Requirements**
- A minimum grade of "C" (2.0) is required in each course to satisfy the minor.
- At least 15 credit hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

**MAGAZINE JOURNALISM: Minor**

**College of Sciences**

**Nicholson School of Communication, COMM 238**
http://communication.cos.ucf.edu/undergraduate/degrees/journalism.php

E-mail: journalism@ucf.edu
Contact: R. Morales, 407-823-2681

**Prerequisites**
- Grammar proficiency requirement
- A minimum UCF GPA of 3.3
- Not open to Ad/PR, Journalism, or Radio/TV majors.

**Credit Hour Requirements**

**Required courses**
- JOU 2100C News Reporting (9 hrs)
- JOU 3510 Magazine Publishing (3 hrs)
- JOU 4224 Magazine Editing and Production (3 hrs)

**Restricted Upper Division Electives**
- ENC 3310 Magazine Writing I (9 hrs)
- JOU 3201 Editing I (3 hrs)
- JOU 3202 Editing II (3 hrs)
- JOU 4300 Feature Writing (3 hrs)
- JOU 4308 Freelance Writing (3 hrs)
- JOU 4340C Online Journalism (3 hrs)

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.

**MARKETING: Minor**

(Open to Business and Non-Business Students)

**College of Business Administration**

**Department of Marketing, BA2 307S**

Not available to Marketing Majors

**Credit Hour Requirements**

**Required Courses**
- MAR 3023 Marketing (4 hrs)

**Restricted Electives**
- Select four or five:
  - MAR 3232 Integrated Marketing Communication
  - MAR 3391 Professional Selling
  - MAR 3403 Sales Force Management
  - MAR 3503 Consumer Behavior
  - MAR 3613 Marketing Analysis and Research
  - MAR 3641 Marketing Intelligence
  - MAR 3721 e-Marketing
  - MAR 4156 International Marketing
  - MAR 4724 Strategic Foundations in Global e-Business
  - MAR 4231 Retailing Management
  - MAR 4711 Sport Marketing

**Other Requirements**
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

**MANAGEMENT INFORMATION SYSTEMS: Minor**

(For both Business and Non-Business Majors)

**College of Business Administration**

**Department of MIS, BA 325, 407-823-3173**

Not available to Management Information Systems Majors

**Credit Hour Requirements**

**Prerequisite courses**
- CGS 2100C Computer Fundamentals for Business or
- CGS 1060C Intro to Computer Science (or equivalent)
- MAC 1105 College Algebra or
- MGF 1106 Finite Mathematics

**Required Courses**
- 12 hrs
- ISM 301C Essentials of Management Information Systems
- ISM 3253 MIS Techniques
- ISM 4212C Database Management

**Electives (choose three)**
- 9 hrs
- Any 4000 or 5000 Level ISM course from those listed below or others with the permission of the MIS Department Chair.
- ISM 4113 Information Systems Analysis and Design
- ISM 4130 Information Systems Implementation
- ISM 4220 Distributed Information Systems
- ISM 4300 Technology Management
- ISM 4480 Electronic Commerce Systems
- ISM 4922 Special Topic Course
- ISM 5315 Information Systems Project Management
- ISM 5219 Business Intelligence Systems

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.
MASS COMMUNICATION: Minor
College of Sciences
Nicholson School of Communication
COMM 238, 407-823-2681
http://communication.cos.ucf.edu

E-mail: communication@ucf.edu
Contact: R. Morales, 407-823-3978
Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

Credit Hour Requirements
18 hrs
Restricted Electives
18 hrs

Select from the following:
MMC 2004 Mass Media
ADV 3008 Principles of Advertising
COM 3330 Computer Mediated Communication
FIL 3030 History of Motion Pictures
FIL 3031 Art of the Cinema
FIL 3041 History of Animated Films I
JOU 3004 History of American Journalism
MMC 3420 Mass Media Research Methods
MMC 3200 Mass Communication Law
MMC 4300 International Media
PUR 4000 Public Relations
RTV 3007 Dev & Strct of Elect Media & New Tech
RTV 3200 Prod Fund & Aesth of Elect Media
RTV 4403 Electronic Media, Technology and Society

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used. Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

MATHEMATICS EDUCATION: Minor
(Open to Non-Mathematics Education Majors)
College of Education
Department of Teaching and Learning Principles
ED 209
http://education.ucf.edu/mathed/

Program Coordinator: Janet Andreasen, ED 123Q, 407-823-5430; E-mail: jandreas@mail.ucf.edu

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Credit Hour Requirements
19 hrs

EDG 4410 Teaching Strategies and Classroom Management
EDF 4467 Learning Theory and Assessment
TSL 4080 Theory and Practice of Teaching ESL Students in Schools
RED 4043 Content Reading Kindergarten thru Grade 12
MAE 4860 Mathematics Instructional Analysis
MAE 4834 Programs in Teaching Mathematics

Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 semester hours of courses in mathematics as corequisites
- At least 12 hours in the minor must be earned at UCF
Minors

MEDIEVAL AND RENAISSANCE STUDIES: Minor
College of Arts and Humanities
Department of English, CNH 302D
http://www/english.cah.ucf.edu/
Contacts: Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Credit Hour Requirements: (18 hrs)
Students are responsible for meeting any prerequisites for the courses in the minor.

Required Core Courses (6 hrs)
Select two courses from the following:
- HUM 3435 Medieval Humanities
- ENL 4311 Chaucer
or ENL 4333 Shakespeare Studies
or ENL 4341 Milton and His Age
- EUH 3122 Medieval Society

Required Electives (12 hrs)
Select no more than two from each disciplinary group:

Department of Art
- ARH 4200 Medieval Art
- ARH 4310 Italian Renaissance Art

Department of English
- ENL 4220 English Renaissance Poetry and Prose
- ENL 4311 Chaucer
- ENL 4333 Shakespeare Studies
- ENL 4341 Milton and His Age

Department of History
- AMH 4110 Colonial American History
- AMH 4112 History of the Atlantic World, 1492-1800
- EUH 3122 Medieval Society
- EUH 3142 Renaissance and Reformation
- EUH 3531 Medieval Ireland
- EUH 3536 Early Modern Ireland
- EUH 3930 Early Modern Spain (1469-1700)
- EUH 5124 The Crusades
- EUH 4500 English History to 1485
- EUH 4501 English History 1485 to 1815
- EUH 4610 Women in European Society: From Medieval to Modern

Department of Modern Languages
- FRW 3100 Survey of French Literature I: Middle Ages through 18th Century
- ITW 3100 Survey of Italian Literature I: Medieval to Renaissance
- ITT 3443 Dante
- LAT 1120C Elementary Latin Language and Civilization I
- LAT 1121 Elementary Latin Language and Civilization II
- SPW 3100 Survey of Spanish Literature I: Medieval & Golden Age
- SPW 3370 Spanish Short Story: Medieval & Golden Age
- SPW 4310 Golden Age Drama
- SPW 4322 Spanish Iberian Theatre: Medieval & Golden Age
- SPW 4604 Cervantes

Department of Music
- MUV 4322 Medieval and Renaissance Music

Department of Philosophy
- PHH 3200 Medieval Philosophy
- HUM 3435 Medieval Humanities

Other Requirements
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be approved upon the advisor's discretion.

MIDDLE EASTERN STUDIES: Minor
College of Arts and Humanities
Middle Eastern Studies Program, CNH 411J
Program Director: Husain Kassim, 407-823-2803

The Middle Eastern Studies minor is designed to complement a student's major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

Credit Hour Requirements 21 hrs
Required Courses (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)
- ARA 2200 Intermediate Arabic Language and Civilization I
- ASH 3222 Islam and Its Empires
- ASH 5227 The Arab-Israeli Conflict
- CPO 4710 Women in Comparative Politics
- HBR 2200 Intermediate Modern Hebrew I
- HUM 3553 Moses, Jesus and Muhammad
- JST 3401 The Jewish People I
- JST 3402 The Jewish People II
- JST 3820 Modern Hebrew Culture

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.
- 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
Contact: LTC Sean Morgan, 407-823-1872

Credit Hour Requirements 19 hrs
Required Courses
- MSL 3201C Leadership and Problem Solving 4 hrs
- MSL 3202C Leadership and Ethics 4 hrs
- MSL 4301C Leadership and Management 4 hrs
- MSL 4302C 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 can be used toward the minor.

MOLECULAR BIOLOGY AND MICROBIOLOGY: Minor
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA2 335, 407-823-5932
Chair: P.E. Kolattukudy

Credit Hour Requirements 30 hrs
Required Courses (23 hrs)
- BSC 2010C Biology I 4 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3233 Immunology
- PCB 4239 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

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.
Minors

MUSIC: Minor
College of Arts and Humanities
Department of Music, CNH 205A
http://www.music.cah.ucf.edu
Academic Advisor: Kirk Gay, 407-823-5968; Fax 407-823-3378,
E-mail: kgay@mail.ucf.edu

Credit Hour Requirements: 20 hrs
Required Courses (11 hrs)
- MUT1121 Music Theory and Musicianship I 4 hrs
- MUT1122 Music Theory and Musicianship II 4 hrs
- MUT1123 Music Theory and Musicianship III 3 hrs

Select 1:
- MUL 2010 Enjoyment of Music 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- MUL 2720 Music of the World 3 hrs
- MUH 2017 Survey of Rock Music 3 hrs
- MUH 2019 American Popular Music, 1840s-Present 3 hrs

Restricted Electives (9 hrs)
Restricted electives must be taken from the Department of Music at UCF and must include three hours minimum at the 3000 or 4000 level. Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

NONPROFIT MANAGEMENT: Minor/AMERICAN HUMANITIES NATIONAL CERTIFICATION PROGRAM
College of Health and Public Affairs
Department of Public Administration, HPA 238
Campus Director: Stephanie Krick, Ph.D.; 407-823-0661;
E-mail: skrick@mail.ucf.edu

The Nonprofit Management Minor/ American Humanities National Certification Program at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including "Other Requirements"), the student can earn both a minor and National Certification in American Humanities.

Credit Hour Requirements: 18 hrs
Required Courses (9 hrs)
- PAD 3930 American Humanities Human Service Workshop 3 hrs
- PAD 4948 American Humanities Internship 3 hrs
- SOW 3104 Assessing I - Human Development 3 hrs

Internships within other programs may be accepted with prior approval of American Humanities advisor.

Restricted Electives (9 hrs)
Choose at least three courses from the following:

Generalist Emphasis
- PAD 4144 Nonprofit Organizations 3 hrs

Choose at least one course from each of the following three groups.

Group I: Nonprofit Accounting & Financial Management 3 hrs
- ACG 2021 Financial Accounting*
- ACG 2071 Managerial Accounting*
- DEP 2004 Developmental Psychology*
- DEP 3464 Psychology of Aging*
- EDG 4941 Directed Field Experience*
- MAN 3025 Management of Organizations*

Group II: Human Development and Human Resource Development, 3 hrs
- PAD 3301 Management of Human Resources*
- PAD 4101 Human Relations in Management*
- PAD 4320 Human Resources Recruitment and Selection*
- PAD 4414 Public Personnel Administration
- PAD 4418 Volunteer Management
- PAD 4453 Planning and Improvement for Public Organizations
- PAD 4325 Program Evaluation for Public & Nonprofits*
- SOW 3203 Social Work & Community Resources
- SOW 3104 Assessing I - Human Development

Group III: Communication & Marketing and Fund Raising Principles 3 hrs
- COM 3110 Business and Professional Communications*
- GEB 3031 The Cornerstone Course*
- MAR 3023 Marketing
- MAR 3041 Marketing Intelligence*
- MAR 4003 Marketing Management
- PAD 4147 Resource Development in the Nonprofit Sector
- PAD 4352 Interpersonal Skills in Social Work*
- SPC 3301 Interpersonal Communications

Public Affairs Emphasis
- PAD 4148 Volunteer Management
- PAD 4153 Planning and Improvement
- PAD 4311 Public Sector Project Management
- PAD 4147 Resource Development in the Nonprofit Sector
- PAD 4204 Fiscal Management
- PAD 4223 Public Budgeting*
- PAD 4253 Community and Economic Development*
- PAD 4325 Program Evaluation for the Public and Non-Profit Organization*

Other Requirements for American Humanities National Certification
- Enrollment in American Humanities Certification Program through AH program office.
- Attendance at one national American Humanities Management Institute (additional fees)
- Membership in UCF American Humanities Student Association

*Indicates course has prerequisites or may be open only to students in the major.
Please see catalog for details.

NORTH AMERICAN INDIAN STUDIES: Minor
College of Sciences
Department of Anthropology, PH 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Contact: Rosalyn Howard, 407-823-2227

The North American Indian Studies minor will enhance a student’s understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for all UCF undergraduates.

Minor Requirements:
- Interview with the North American Indian Studies Director.
- Consultation with the Director to develop a program of study and plan course selections.
- Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.

Credit Hour Requirements: (18 hrs)
Required Courses (3 hrs)
- ANG 4910 Research

Restricted Electives (15 hrs)
Courses used in the minor must be taken in at least two departments. Select from the following list.

- ANT 3245 Religions of the N Amer Indians
- ANT 3313 Indians of the N Amer High Plains
- ANT 3311 Indians of the SE United States
- ANT 3158 Florida Archaeology
- ANT 4906 Independent Study
- ANT 3314 Indians of the NE Woodlands
Minors

ANT 3312 Ethnology of N Amer Indians
ANT 3316 Black/Semniol Relations
ANT 3320 Indians of the Southwest
ANT 3318 Indians of the Northwest Coast
AMH 3441 History of the Frontier: E America
AMH 4110 Colonial America
AMH 4112 The Atlantic World
AML 3640 Native American Literature
ANT 4144 Prehistory of North America
ANT 4153 North American Archaeology
PHH 3701 North American Philosophy
SYD 3752 Modern Law in Indian Country
SYD 3751 N Amer Indian Women Today

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

OPERATIONS MANAGEMENT/ENTERPRISE SYSTEMS: Minor

Department of MIS, BA 325, 407-823-3173/3174

Not available to Management Information Systems Majors.

Credit Hour Requirements 19 hrs

Prerequisite courses
- CGS 2100C Computer Fundamentals for Business or
- CGS 1060C Intro to Computer Science (or equivalent)
- MAC 1105 College Algebra or
- MGF 1106 Finite Mathematics

Required Courses 19 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- ISM 3530 Quality and Productivity Management 3 hrs
- ISM 4153C Enterprise Information Systems 3 hrs
- ISM 4431 Business Process Analysis 3 hrs
- ISM 4154 Enterprise Application Development 3 hrs
- ISM 4400 Decision Support Systems 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

PHILOSOPHY: Minor

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 (3 hrs)
- PHI 3100 Ancient Philosophy
- PHI 3200 Medieval Philosophy
- PHI 3460 Modern Western Philosophy
- PHI 3600 Contemporary Philosophy

Values and Society (3 hrs)
- PHI 3670 Ethical Theory
- PHI 3626 Advanced Ethics in Science and Technology
- PHM 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 (3 hrs)
- PHI 4500 Metaphysics
- PHI 4341 Ways of Knowing
- PHI 4300 Theories of Knowledge
- PHI 3700 Philosophy of Religion
- PHI 4400 Philosophy of Science
- PHI 3320 Philosophy of Mind
- PHI 3451 Philosophy of Psychology
- PHI 4420 Philosophy of Social Science
- PHI 3323 Minds and Machines
- PHP 4782 Phenomenology
- PHI 4221 Philosophy of Language

Topics in Philosophy (3 hrs)
- PHI 4931 Philosophy in the News
- PHI 3683 Philosophy of Friendship
- PHI 4321 Philosophies of Embodiment
- PHI 3648 Ethical Issues of the Human Genome Project
- PHI 3022 Sexuality, Gender and Philosophy
- PHI 3033 Philosophy, Religion and the Environment
- PHI 4804 Critical Theory
- PHP 3783 Modernity as a Philosophical Problem
- PHI 3750 Problem of Evil
- PHI 3720 Faith and Reason
- PHI 3803 Philosophy and Creativity
- PHI 3941 Philosophy Practicum
- REL 3111 Religion and Philosophy through Film
- PHP 3785 Existential
- PHI 4935 Topics in Philosophy of Mind

Upper Division Restricted Electives (6 hrs)
Must consult an advisor for approved courses in this area.

Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

PHILOSOPHY: Minor

College of Arts and Humanities

Department of Philosophy, PSY 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@ucf.edu

Contact: Jennifer Mundale, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Credit Hour Requirements 21 hrs

Core Requirements (15 hrs)
Select one course from each of the following groups:

Reasoning
- 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 (3 hrs)
- PHI 3100 Ancient Philosophy
- PHI 3200 Medieval Philosophy
- PHI 3460 Modern Western Philosophy
- PHI 3600 Contemporary Philosophy

Values and Society (3 hrs)
- PHI 3670 Ethical Theory
- PHI 3626 Advanced Ethics in Science and Technology
- PHM 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 (3 hrs)
- PHI 4500 Metaphysics
- PHI 4341 Ways of Knowing
- PHI 4300 Theories of Knowledge
- PHI 3700 Philosophy of Religion
- PHI 4400 Philosophy of Science
- PHI 3320 Philosophy of Mind
- PHI 3451 Philosophy of Psychology
- PHI 4420 Philosophy of Social Science
- PHI 3323 Minds and Machines
- PHP 4782 Phenomenology
- PHI 4221 Philosophy of Language

Topics in Philosophy (3 hrs)
- PHI 4931 Philosophy in the News
- PHI 3683 Philosophy of Friendship
- PHI 4321 Philosophies of Embodiment
- PHI 3648 Ethical Issues of the Human Genome Project
- PHI 3022 Sexuality, Gender and Philosophy
- PHI 3033 Philosophy, Religion and the Environment
- PHI 4804 Critical Theory
- PHP 3783 Modernity as a Philosophical Problem
- PHI 3750 Problem of Evil
- PHI 3720 Faith and Reason
- PHI 3803 Philosophy and Creativity
- PHI 3941 Philosophy Practicum
- REL 3111 Religion and Philosophy through Film
- PHP 3785 Existential
- PHI 4935 Topics in Philosophy of Mind

Upper Division Restricted Electives (6 hrs)
Must consult an advisor for approved courses in this area.

Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.
PHILOSOPHY, RELIGION AND POPULAR CULTURE: Minor
College of Arts and Humanities
Department of Philosophy, PSY 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@ucf.edu
Fax: 407-823-6658;
Advisor (UCF Orlando Campus): Doug Evans, 407-823-2273;
Advisor (Cocoa Campus): Shelley Park, 321-433-7919
The Philosophy, Religion, and Popular Culture minor examines popular culture through the critical lenses of philosophy and religious studies. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, students will select courses in accordance with the distributions listed below.

Credit hour requirements 21 hrs
Note: Appropriate special topics in philosophy or humanities may be substituted for some core courses with prior approval by department advisor.

Theoretical Foundations (6 hrs)
- PHI 3694 - Ways of Living
- PHI 4341 - Ways of Knowing

Philosophy (3 hrs)
Select at least one course:
- PHI 2101 - Critical Thinking
- PHI 3670 - Ethical Theory
- PHI 3700 - Philosophy of Religion
- PHI 3800 - Aesthetics
- PHM 3100 - Freedom and Justice
- PHI 3720 - Faith and Reason
- PHP 3786 - Existentialism
- PHI 4804 - Critical Theory
- PHI 4300 - Theories of Knowledge

Religion (3 hrs)
Select at least one course:
- CLT 3378 - Comparative Mythology
- HUM 3552 - Christian Thought
- HUM 3553 - Moses, Jesus, and Mohammed
- HUM 3417 - Hindu Thought and Culture
- HUM 3419 - Islamic Thought and Culture
- HUM 4303 - The Spiritual Ideal
- HUM 4534 - Religious Quest and Human Dilemma
- PHI 3750 - The Problem of Evil

Popular Culture Series (9 hrs)

A. Contemporary Media
- HUM 3320 - Contemporary Multicultural Studies
- HUM 4556 - Religion and the Arts
- HUM 4330 - Performance Theory
- PHI 3625 - Virtual Ethics
- PHI 4931 - Philosophy in the News
- POS 3235 - Mass Media and Politics
- POS 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
- ANT 3302 - Sex, Gender and Culture
- HUM 3252 - Contemporary Humanities
- PHI 3022 - Sex, Gender, and Philosophy
- PHI 3629 - Family Values
- PHI 3033 - Philosophy, Religion and me Environment
- PHM 3401 - Philosophy of Law
- PHI 3636 - Ethical Issues in the 21st Century
- PHI 3683 - Philosophy of Friendship
- PHM 3123 - Feminist Theories
- PHI 4321 - Ethical Issues in the 21st Century
- REL 3131 - Religion in America

Other Requirements
- A "C-" (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than two courses (i.e. six credit hours) of 3000 or 4000 level courses applied to the Minor in Humanities: Philosophy.

Unsure
Minors

POLITICAL SCIENCE/PRELAW: Minor
College of Sciences
Department of Political Science, PH 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Contact: Roger Handberg, 407-823-2608

Double major/dual degree policy in Political Science programs and minors
1. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except POS 2041.
2. Students who double major in Political Science and International and Global Studies shall not count more than one course toward both programs.

Credit Hour Requirements
18 hrs
Required Courses (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 4941L (Internship) may be counted
Three upper division Political Science courses (those with prefixes CPO, INR, POS, POT, PUP and one GEO – World Political Geography; see the Political Science Major description for a list of courses that may be offered by the department).

Other Requirements
A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
Grades below “C” (2.0) in lower level courses are not accepted.
At least 12 hours used in the minor must be earned at UCF within the department.
No credit by exam (TSD, Military credit) may be used.
Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

PSYCHOLOGY: Minor
College of Sciences
Department of Psychology, PSY 301
http://www.psych.ucf.edu/
E-mail: psychadvising@mail.ucf.edu
Contact: Psychology Advising Center, PSY 250, 407-823-2219

The Psychology Department minor permits emphasis of several areas: Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Credit Hour Requirements
25-27 hrs
Required Courses (10 hrs)
PSY 2012 General Psychology 3 hrs
Select one STA course 3 hrs
STA 2014C Principles of Statistics or
STA 2223 Statistical Methods I
PSY 3204

Restricted Electives (15-17 hrs)
A. Experimental. Select one of the following: 3-4 hrs
EXP 3404 Basic Learning Processes
EXP 3204C Perception
EXP 3604C Cognitive Psychology
PSY 3703 Psychology of Language
PSY 4240C Neuropsychology
B. Personality/Social. Select one of the following: 3 hrs
PPE 3003 Personality Theories
SOC 3904 Social Psychology
C. Developmental. Select one of the following: 3 hrs
DEP 2004 Developmental Psychology
DEP 3202 Psychology of Exceptional Children
DEP 3404 Psychology of Aging

D. Diversity. Select one of the following: 3 hrs
CLP 3184 Women’s Mental Health
SOP 3742 Psychology of Women
SOP 3723 Cross Cultural Psychology
SOP 3724 Psychology of Racial Prejudice
SOP 3784 Psychology of Diversity

E. Select one additional Psychology elective 3-4 hrs
Note: INP 3141C, INP 3951, PSY 3906, PSY 4906, PSY 4912 will not fulfill this requirement.

PUBLIC ADMINISTRATION: Minor
College of Health and Public Affairs
Department of Public Administration, HPA2 238
Contact: Dr. Michael Abels, 407-823-2604,
E-mail: mabels@mail.ucf.edu

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations—including fiscal management, survey research, public administration, and human resource management.

Credit Hour Requirements
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 Administration 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.
At least 15 hours used in the minor must be earned at UCF within the department.
No credit by exam (TSD, Military credit) may be used.
Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval.

REAL ESTATE: Minor
(Open to Business and Non-Business Students)
College of Business Administration
Dr. P. Phillips School of Real Estate, BA 409
http://www.bus.ucf.edu/finance

Credit Hour Requirements
19 hrs
Prerequisite Courses
AGG 2021 Principles of Financial Accounting
AGC 2071 Principles of Managerial Accounting
ECO 2003 Principles of Microeconomics
ECO 2023 Principles of Microeconomics

Required Courses (13 hrs)
FIN 2100 Personal Finance and Investments 3 hrs
FIN 3403C Business Finance 4 hrs
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs

Electives (select two of the following) (6 hrs)
REE 4103 Real Estate Appraisal and Valuation 3 hrs
REE 4203 Commercial Real Estate Finance 3 hrs
REE 4204 Residential Real Estate Finance 3 hrs
REE 4303 Real Estate Investment Analysis 3 hrs
REE 4732 Real Estate Development 3 hrs

2009-2010 Undergraduate Catalog
REL 3432 Roots of Western Mysticism
REL 3111 Religion, Spirituality, and Popular Music
REL 3115 Religion, Philosophy and Film

Religion, Humanities, Classics, and Philosophy courses (12 hrs)
REL 3131 Religion in America
REL 3115 Religion, Philosophy and Film
REL 3111 Religion, Spirituality, and Popular Music
REL 3432 Roots of Western Mysticism

REL 3340 Buddhist Thought
REL 4110 Religion and the Arts
REL 4180 Religion and Medicine
HUM 3320 Contemporary Multicultural Studies
HUM 3401 Asian Humanities
HUM 3417 Hindu Thought and Culture
HUM 3419 Islamic Thought and Culture
HUM 3552 Christian Thought
HUM 3553 Moses, Jesus, and Mohammed
HUM 4303 The Spiritual Ideal
HUM 4330 Performance Theory
HUM 4554 Religious Quest and the Human Dilemma
CLT 3370 Classical Mythology
CLT 3378 Comparative Mythology

PHI 3033 Philosophy, Religion, and the Environment
PHI 3638 Ethical Issues in the 21st Century
PHI 3672 Animal Ethics
PHI 3684 Ways of Living
PHI 3700 Philosophy of Religion
PHI 3706 Philosophy of Love
PHI 4321 Philosophy of Embodiment: Mind/Body/Self
PHI 4341 Ways of Knowing
PHI 4804 Critical Theory
PHI 4820 Freedom and Justice
PHP 3786 Existentialism

Courses offered through other Departments (6 hrs)
AML 3615 Harlem, Haiti, and Havana
ANT 3411 Magic, Ritual, and Belief
ANT 3439 Native American Religions
ASH 3222 Islam and its Empires
ASH 3233 The Modern Middle East
JST 3401 The Jewish People I
JST 3402 The Jewish People II
JST 3550 Introduction to Modernism into Judaism
JST 3701 History of the Holocaust
JST 3751 Literature of the Holocaust
JST 3305 Tenets of Judaism
JST 3125 The Book of Job
JST 3344 Dead Sea Scrolls
JST 3450 Modern Jewish Experience
JST 3810 The Jewish National Movement and Roots of Zionism
LIT 3202 Death and Dying
LIT 4574 Literature of the Bible
POT 4632 Religion and Politics
SYO 4200 Sociology of Religion

Note: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

RELIGIOUS STUDIES: Minor
College of Arts and Humanities
Department of Philosophy
PSY 220, 407-823-2273; Fax: 407-823-6658
http://www.philosophy.cah.ucf.edu/
E-mail: religion@mail.ucf.edu
Program Director: Claudia Schippert, 407-823-2273

REL 3200 World Religions
REL 3340 Buddhist Thought
REL 4110 Religion and the Arts
REL 4180 Religion and Medicine
HUM 3320 Contemporary Multicultural Studies
HUM 3401 Asian Humanities
HUM 3417 Hindu Thought and Culture
HUM 3419 Islamic Thought and Culture
HUM 3552 Christian Thought
HUM 3553 Moses, Jesus, and Mohammed
HUM 4303 The Spiritual Ideal
HUM 4330 Performance Theory
HUM 4554 Religious Quest and the Human Dilemma
CLT 3370 Classical Mythology
CLT 3378 Comparative Mythology

Other courses, including special topics, may be applied toward the Minor with the approval of the Religious Studies advisor.

SCIENCE EDUCATION: Minor
(Open to Non-Science Education Majors)
College of Education
Department of Teaching and Learning Principles
ED 209
http://education.ucf.edu/science/
Program Coordinator: Aldrin Sweeney, ED 123L, 407-823-2561; E-mail: asweeney@pegasus.cc.ucf.edu

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Credit Hour Requirements 19 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
TSL 4088 Theory and Practice of Teaching ESL Students in Schools 3 hrs
RED 4043 Content Reading Kindergarten thru Grade 12 3 hrs
SCE 4350 Science Instructional Analysis 4 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Admission Requirements
- Have a minimum 2.5 overall GPA
Minors

- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- At least 12 hours in the minor must be earned at UCF

SECURE COMPUTING AND NETWORKS (SCAN): Interdisciplinary Minor

College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
http://www.cecs.ucf.edu
Contact: Kim Small, 407-823-2455, E-mail: ksmall@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
- CIS 3360 Security in Computing 3 hrs
- CIS 3362 Cryptography and Information Security 3 hrs

Select one:
- CNT 4703 Network Labs 3 hrs
- CNT 4704 Computer Communications Network 3 hrs
- CET 4483 Local Area Networks 3 hrs
- EEL 4781 Computer Networks 3 hrs

Elective Courses (9 hrs)
Select any three courses from the following list:

Network Security:
- CET 4603 Computer and Network Security 3 hrs
- or CNT 4403 Network Security and Privacy 3 hrs
- CET 4882 Network Defense Strategies 3 hrs

Security Management and Administration:
- CET 4866 Practice of Information Security 3 hrs
- CET 4884 Security Methods & Practices 3 hrs
- CET 4885 Investigative Digital Technology 3 hrs

Secure Software:
- CIS 4361 Secure Operating Systems and Administration 3 hrs
- CIS 4615 Secure Software Development and Assurance 3 hrs
- COP 4600 Operating Systems 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- Pre-requisites to the minor include Programming in C (COP 3223, EGN 3211, CET 2364, or an equivalent) and Math for Calculus (MAC 2147), or equivalent
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

SOCIAL SCIENCE EDUCATION: Minor
(Open to Non-Social Science Education Majors)
College of Education
Department of Teaching and Learning Principles
ED 209
http://education.ucf.edu/ssed/
Program Coordinator: Scott Waring, ED 123H, 407-823-1766; E-mail: swaring@mail.ucf.edu

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Credit Hour Requirements 19 hrs
Required Courses
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading Kindergarten thru Grade 12 3 hrs
- SSE 4361 Social Science Instructional Analysis 4 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 semester hours of courses in science as co-requisites
- At least 12 hours in the minor must be earned at UCF

SOCIAL SCIENCES - INTERDISCIPLINARY: Minor
College of Sciences
Department of Sociology, PH 403, 407-823-3744
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Contact: J. Corzine, 407-823-3744

Not open to Social Sciences majors.

Credit Hour Requirements 21-22 hrs
Required Courses (3-4 hrs)
One method course, selected from the three immediately below
- POS 3703 Scope and Methods of Political Science
- PSY 3213C Research Methods in Psychology
- SYA 4900C Research Methods (Sociology)

Restricted Electives (18 hrs)
Select a minimum of six hours in each of three different disciplines below. The courses below cannot overlap with your major discipline.

- Communication
- Economics
- Political Science
- Public Administration
- Psychology
- Sociology & Anthropology

Other Requirements
- Students must earn a grade “C” or above (2.0) in each course used to satisfy the minor
- At least 15 hours used in the minor must be earned at UCF.
- At least 18 hours must be upper division classes.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

SOCIOLOGY: Minor
College of Sciences
Department of Sociology, PH 403
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Contact: Jay Corzine, 407-823-3744

Credit Hour Requirements 18 hrs
Required Courses (3 hrs)
- SYG 2000 General Sociology

Restricted Electives (3 hrs)
- 2000-4000 level Sociology courses
- 3000-4000 level Sociology courses

Restricted Upper Division Electives (12 hrs)
- 3000-4000 level Sociology courses

Other Requirements
- Earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Co-op or internship credit cannot be used toward the minor.
- No more than three hours of Independent Study credit can be used toward the minor.
- Not open to Sociology majors.

SPANISH: Minor
College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements 18 hrs
Restricted Electives
- Select six upper division courses in Spanish, including the 3000-level advanced grammar (SPN 3300), advanced oral communication (SPN 3760), and composition courses (SPN 3420).
Minors

SPORT BUSINESS MANAGEMENT: Minor
(*Business Majors, Business Undecided, and Business Pending only)
College of Business Administration
DeVos Sports Business Management, BA2 205
Contact: K. Harrison, 407-823-1158, E-mail: kharrison@bus.ucf.edu
Completion of Common Program Pre-requisites and Admission to a major within the College of Business Administration

Credit Hour Requirements: 18 hrs

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPB 3003 Introduction to Sport Business Management 3 Hrs</td>
<td></td>
</tr>
<tr>
<td>SPB 3603 Diversity and Social Issues in Sport Business Management 3 Hrs</td>
<td></td>
</tr>
<tr>
<td>SPB 3823 Role of Business Entrepreneurship in Sport/Ent 3 Hrs</td>
<td></td>
</tr>
</tbody>
</table>

Restricted Electives: 6 hrs

| MAN 4701 Business Ethics and Society 3 Hrs | |
| SPB 4304 Event and Facility Management 3 Hrs | |
| SPB 4804 Sport Business and Media 3 Hrs | |
| MAR 3023 Marketing 4 hrs | |

Other Requirements:
- A minimum GPA of 2.5 is required in all courses to satisfy the minor.
- Grades below "C" (2.0) or "S" grades do not count toward the minor.
- At least 9 hours used in the minor must be earned at UCF within the DeVos Sports Business Management Program.
- No credit by exam (CLEP, TSD, Military credit) may be used.
- In some cases, Internship, Independent Study, or Directed Research credit hours may be approved toward the minor by the Department Chair.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

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.

TECHNICAL EDUCATION and INDUSTRY TRAINING: Minor
College of Education
Department of Teaching and Learning Principles, ED 209
http://education.ucf.edu/teched/
Contact: Jo Ann M. Whiteman, ED 115D, 407-823-2848 or 407-325-6293; E-mail: jwhiteman@mail.ucf.edu
The minor in Technical Education and Industry Training provides a limited, but substantive experience in the area of technical education and industry training of adults. The minor is not intended for students admitted to a degree program in the College of Education and does not lead to teacher certification or admission to the College of Education. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Credit Hour Requirements: 18 hrs

<table>
<thead>
<tr>
<th>Entry requirements</th>
<th>18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required courses</td>
<td></td>
</tr>
<tr>
<td>ADE 4382 Teaching Adult Learners 3 hrs</td>
<td></td>
</tr>
<tr>
<td>EVT 4388 Advanced Teaching Techniques in Vocational Education 3 hrs</td>
<td></td>
</tr>
<tr>
<td>EVT 3062 Professional Role of the Vocational Teacher 3 hrs</td>
<td></td>
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<tr>
<td>EVT 3367 Evaluation in Vocational Education 3 hrs</td>
<td></td>
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<tr>
<td>EVT 4169 Curriculum Development for Industry Training 3 hrs</td>
<td></td>
</tr>
<tr>
<td>EVT 4065 Principles and Practices in Technical Education 3 hrs</td>
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</tr>
</tbody>
</table>

Other requirements:
- A minimum of 4 courses of the 6 required must be completed at UCF within the Program of courses listed above.
- A grade of "C" (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education.

TECHNOLOGICAL ENTREPRENEURSHIP: Interdisciplinary Minor
College of Business Administration & College of Engineering and Computer Science
Department of Management, BA 307
407-823-5569; Fax: 407-823-3725
http://www.cei.ucf.edu
Contact: Cameron Ford; E-mail: cford@bus.ucf.edu
The Technological Entrepreneurship Minor offers students an opportunity to blend deep discipline-specific expertise with broad entrepreneurial thinking skills. Combining disciplinary depth with entrepreneurial breadth promotes the introduction of innovations to society and creates economic rewards to those who champion those innovations. This minor will prepare students in any engineering, science, technology or business discipline to create, enhance, or manage a technology venture. Topics covered would include evaluating opportunities for commercializing innovations, analyzing markets and competitors, assessing options for protecting intellectual property, and exploring options for establishing and financing technology ventures.

Credit Hour Requirements: 18 hrs

<table>
<thead>
<tr>
<th>Credit Hour Requirements</th>
<th>18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses (9 hrs)</td>
<td></td>
</tr>
<tr>
<td>GEB 3113 How to Start a Business 3 hrs</td>
<td></td>
</tr>
<tr>
<td>GEB 4152 Technological Entrepreneurship 3 hrs</td>
<td></td>
</tr>
<tr>
<td>GEB 4110 Business Plan Preparation 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

Restricted Electives (9 hrs)

- Innovation design or research sequence 6 hrs*
- Discipline-specific or experiential sequence 3 hrs**

*Any 6-credit sequence approved by the program coordinator in coordination with faculty in partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. Examples of approved course sequences for the minor include:

Discipline-specific or experiential sequence 3 hrs**

- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course. Approval of a departmental advisor is required prior to registration.

- 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.

- Completion of this Minor does not complete requirements for teacher certification as a Vocational Education teacher nor does it constitute admission to the College of Education.
Minors

- All engineering, interdisciplinary students (e.g., business): EGN 4412C & EGN 4413C
- BSEE, BSCPE: EEL 4914 & EEL 4915L
- BSME: EML 450C & EML 4502C
- BSCE: CEG 4810C & CEG 4810C
- BSAE: EAS 4700C & EAS 4710C

**Any 3-credit discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in coordination with faculty in partner discipline. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (EGN 4XXX), internships in small or technology-based companies, lecture series, or field research courses that specifically address entrepreneurship or innovation.**

Other Requirements
- A minimum GPA of 2.25 is required for acceptance into this minor degree program.
- A cumulative GPA of 2.0 is required to successfully complete the minor.
- Students must have a grade of “C” (2.0) or better in all courses in the minor.
- At least 12 credit hours in the minor must be from UCF.

THEATRE: Minor
College of Arts and Humanities
Department of Theatre, UTC 180
http://www.theatre.cah.ucf.edu
E-mail: theatre@ucf.edu
Contact: Earl Weaver, 407-823-2862, E-mail: eweaver@mail.ucf.edu

Credit Hour Requirements 18 hrs

Required Courses (18 hrs)

- Use the Prefix and title to determine the proper course.
- The 2000 Theatre Survey 3 hrs
- or
- THE 2020 Survey of Theatre for Majors 3 hrs
- THE 2304 Script Analysis 3 hrs
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- TPP 2101 Fundamentals of Acting 3 hrs
- TPA 2201 Technical Theatre Production 2 hrs
- TPA 2201L Technical Theatre Production Lab 1 hr

Electives: Any DAA, DAN, THE, TPA, or TPP course as approved by the department (3 hrs)

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- Student must consult theatre advisor every semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions.
- At least 12 hours used toward the minor must be earned from the UCF Theatre Department. Transfer credits are allowed, but student must still complete 12 credits from UCF Theatre Department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

URBAN AND REGIONAL PLANNING: Minor
College of Health and Public Affairs
Department of Public Administration, HPA 238
Contact: Jay Junie, 407-823-2604, E-mail: junie@mail.ucf.edu

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

Credit Hour Requirements 21 hrs

Required Courses (21 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4712</td>
<td>Information Systems for Public Managers and Planners</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4331</td>
<td>Land Use and Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4334</td>
<td>Urban Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4253</td>
<td>Community and Economic Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4803</td>
<td>Issues in Urban Administration</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Suggested Courses
Students in the Minor program are strongly encouraged to take the following courses as electives to enhance their understanding of the field.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4110</td>
<td>Intergovernmental Relations</td>
<td></td>
</tr>
<tr>
<td>PAD 4390</td>
<td>Hazard Mitigation and Preparedness</td>
<td></td>
</tr>
<tr>
<td>PAD 4392</td>
<td>Emergency Mgmt/Homeland Security</td>
<td></td>
</tr>
</tbody>
</table>

Other Requirements
- A minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
- At least 15 hours used to satisfy the minor must be earned at UCF within the department.
- Internship or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.

WOMEN’S STUDIES: Minor
College of Arts and Humanities
http://womensstudies.cah.ucf.edu
E-mail: womenst@ucf.edu
Contact: K. M. Oliver, 407-823-6502

The Women’s Studies minor provides students with an opportunity to learn about women’s historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from the departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theatre, and the Women’s Studies Program.

Credit Hour Requirements 18 hrs

Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3245</td>
<td>Introduction to Women's Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select one course from the Theories Group: (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHM 3123</td>
<td>Feminist Theories</td>
<td></td>
</tr>
<tr>
<td>LIT 4554</td>
<td>Advanced Feminist Theories</td>
<td></td>
</tr>
<tr>
<td>WST 3561</td>
<td>Third Wave Feminisms</td>
<td></td>
</tr>
</tbody>
</table>

Elective Courses (4 courses) (12 hrs)*

*Students must complete at least two of their four Elective courses from outside their major. Students may count additional courses from the Theories Group as Electives toward the minor. Students may use course substitutions, internship, independent study, or Special Topics credit toward the minor only with the approval of the program director. No more than one 2000-level course will count toward the minor.

Women’s Studies Disciplinary Approaches

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3371</td>
<td>Women and Leadership</td>
<td></td>
</tr>
<tr>
<td>WST 3500</td>
<td>Gender Issues in Community Activism</td>
<td></td>
</tr>
<tr>
<td>WST 3460</td>
<td>Womaned Studies</td>
<td></td>
</tr>
<tr>
<td>WST 4002</td>
<td>Research on Women and Gender</td>
<td></td>
</tr>
</tbody>
</table>

Women’s History

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3561</td>
<td>Women in American History I</td>
<td></td>
</tr>
<tr>
<td>AMH 3562</td>
<td>Women in American History II</td>
<td></td>
</tr>
<tr>
<td>ASH 4304</td>
<td>Women in China</td>
<td></td>
</tr>
<tr>
<td>EUH 4610</td>
<td>Women in European Society</td>
<td></td>
</tr>
</tbody>
</table>

Representations of Women

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3293</td>
<td>Contemporary American Women's Fiction</td>
<td></td>
</tr>
<tr>
<td>ARH 4982</td>
<td>Women in Art</td>
<td></td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication</td>
<td></td>
</tr>
<tr>
<td>FIL 3880C</td>
<td>Women in Film</td>
<td></td>
</tr>
<tr>
<td>LIT 3383</td>
<td>Women in Literature</td>
<td></td>
</tr>
<tr>
<td>LIT 3823</td>
<td>Hispanic Women Writers</td>
<td></td>
</tr>
<tr>
<td>PHI 3022</td>
<td>Sexuality, Gender &amp; Philosophy</td>
<td></td>
</tr>
</tbody>
</table>
Women's Wellness
CLP 3184 Women's Mental Health
NUR 4936 Women’s Health Issues
PEM 2405 Self Defense for Women and Men
SOP 2772 Sexual Behavior
SOP 3742 Psychology of Women

Women and Social Policy
ANT 3302 Sex, Gender and Culture
ANT 4308 Women and Gender Issues in Lat Am
CCJ 4670 Women and Crime
CCJ 4881 Domestic Violence and Justice System
CPO 4710 Women and Comparative Politics
INR 4085 Women, Gender, and Globalization
PUP 3325 Women and Political Behavior
PUP 4323 Women and Public Policy
SYD 3751 North American Indian Women Today
SYD 3800 Sex Roles in Modern Society
SYD 4810 Women in Contemporary Society
SYD 4813 Women and Social Policy
SYO 4100 Family Trends

Other Requirements
- Minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, military credit) may be used.

WORLD COMPARATIVE STUDIES: Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1 302
http://www.is.ucf.edu
E-mail: Is@mail.ucf.edu
Contact: Interdisciplinary Studies Advising Team, 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Total Credit Hour Requirements (18 hrs)
- IDS 3333 World Comparative Studies
- Thematic Concentrations Restricted Electives (15 hrs)
  Select five courses from within one of the concentrations (A-F) below. Courses not on the list may be taken with 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 Interdisciplinary Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

A. Language and Culture
AML 3615 Harlem, Haiti, and Havana
ANT 3145 Archaeology of Complex Societies
ANT 3145 Archaeology of Complex Societies
ANT 3145 The Anthropology of Diaspora

B. Economics
ANT 4702 Culture Power and Development
ECO 3703 International Trade
ECO 4704 International Macroeconomics
ECO 4701 Seminar in Global Economic Policy
ECS 4012 Economics of Developing Areas
ECP 3302 Economics and the Environment
HFT 3700 Tourism Management
INR 4035 International Political Economy

C. Biological and Geophysical Environment
IDS 3150 Foundations of Environmental Studies
ECP 3302 Economics and the Environment
SYD 4510 Environmental Sociology
HFT 4735 Tourism Geography
INR 4351 International Environmental Law
ENV 3001 Intro to Environmental engineering
GIS 3043C GIS for Environmental Studies
GIS 4036 Remote Sensing of the Environment
PHI 3033 Philosophy, Religion, and the Environment
PHI 3640 Environmental Ethics

D. Social Structure and Change
ANT 3145 Archaeology of Complex Societies
ANT 3273 Law and Culture
ANT 4702 Culture Power and Development
PLA 4830 World Legal Systems
SYD 4645 Sociology of the Global System

E. Media and Communication
FIL 3845 World Cinema Traditions
FIL 3842 International Cinema
FIL 4844 African Cinema
COM 4461 Intercultural Communication
LIN 4643 Cross Cultural Communication
THE 3212 Global Theater

F. World Independent Specialization
Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

Foreign Language Proficiency Requirement (0-8 hrs)
Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

Other Requirements
- A grade of “C” or above (2.0) is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, military credit) may be used.
- Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used toward the minor.
ADDICTIONS: Certificate
College of Health and Public Affairs
School of Social Work, HPA 204
E-mail: socialwk@mail.ucf.edu

BSW Coordinator: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program (BSW). Addiction courses may be taken as electives by non-majors and be applied to the state certification. The Addictions Certificate is designed to prepare students to work in the field of addictions, primarily substance abuse. This certificate addresses the role and significance of addictions on crime rates, health care, disabilities, human services, traffic safety, sexual assault, domestic violence and child abuse, the workplace and cost to the employers. Addictions have a profound impact on the lives of many people, their families, and their communities. Students will learn about patterns of addictions in society and prevention and intervention strategies. The certificate program focuses on social work skills in the area of addictions. The certificate program will enable students to earn credit toward their certification through the Certification Board for Addiction Professionals of Florida but not the certificate program.

Admission Requirement:
This certificate is only awarded to students in the undergraduate social work program (BSW). Students not in the social work program but enrolled in their junior or senior year at UCF may take the addictions courses to be applied toward their state certification through the Certification Board for Addiction Professionals of Florida.

Credit Hour Requirements: 12 hrs
Required Courses:
- SOW 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 4095 Prevention and Treatment of Adolescent Substance Abuse 3 hrs
- SOW 4905 Independent Study in Addictions – (i.e. Women in Treatment, Drug Control Policy, etc., Can be taught by any faculty teaching one of the above courses) 3 hrs
- CCJ 4651 Drugs and Crime 3 hrs

AGING STUDIES: Certificate
College of Health and Public Affairs
School of Social Work, HPA 204
E-mail: socialwk@mail.ucf.edu

BSW Coordinator: HPA 407-823-2114

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major as well as non-degree seeking students. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. The certificate may be completed as a fully web-based program. A required internship, along with course options that include service-learning activities, complements the web-based course of study.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements: 15 hrs
Required Course
- GYE 3003 Gerontology: Interdisciplinary Overview 3 hrs

Required Internship: (Select one)
- SOW 4510 or SOW 4941 Field Education (for full-time students) or Field Education (for part-time students over two semesters) 9 hrs
- HSA 4095 Internship 3 hrs
- PSY 3951 Internship 3 hrs
- SYP 4095 Internship 3 hrs

Electives (9 hrs)
- Students select three additional courses from the following: (a maximum of two courses in their College and at least one course must be outside their college).

College of Health and Public Affairs
- HSA 4220 Long Term Care 3 hrs
- HSA 3222 Long Term Administration 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs

Other Courses:
- DEP 3464 Psychology of Aging 3 hrs
- SYP 4730 Sociology of Aging 3 hrs
- GYE 5007* Women and Aging 3 hrs
- LIT 3930 Literature of Aging 3 hrs
- SYP 4732 Minority Aging 3 hrs

*Open to undergraduates with senior standing

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (2.0) are not accepted.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study cannot be used toward the minor.

AMERICAN SIGN LANGUAGE (ASL): Certificate
College of Health and Public Affairs
Department of Communication Sciences and Disorders, HPA2, Suite 101
http://www.cohpa.ucf.edu/comdis

Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798, E-mail: jschwart@mail.ucf.edu
This certificate is designed to provide students with the conversational competency in ASL to communicate with deaf and hard of hearing individuals who use ASL as their primary mode of communication. In addition, students completing the certificate program would have the prerequisite skills to seek further instruction in Interpreter Education. More specifically, the certificate program is designed for individuals who wish to enhance their ability to communicate with the Deaf community and to enhance their employment potential, including undergraduate students majoring in communication sciences and disorders, general and special education, psychology, theater, the health professions, and other disciplines; students at area community colleges; professionals working in Central Florida; and the general public.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements: 16 hrs
Required Courses
- ASL 2140 Introduction to American Sign Language 4 hrs
- ASL 2150 Intermediate American Sign Language 4 hrs
- ASL 4161 American Sign Language III 4 hrs
- ASL 4201 American Sign Language IV 4 hrs

Other Requirements
- A minimum grade of “C-” (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses used to complete the certificate.
- At least eight hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) Internship or Independent Study credit may be used toward the certificate.

BEHAVIORAL FORENSICS: Certificate
College of Sciences
Psychology Department, PSY 301
http://www.psych.ucf.edu/

Contact: Karen Mottarella, 321-433-7982, E-mail: kmottare@mail.ucf.edu
This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion.
The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency and insanity.

Credit Hour Requirements

Prerequisite Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012 General Psychology or</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000 General Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

Complete both of these:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPE 3003 Personality Theories</td>
<td>3</td>
</tr>
<tr>
<td>SYP 3510 Sociology of Deviant Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>

Required Courses (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 4390 Forensic Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SYP 3751 Legal Aspects of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SYP 3520 Criminology</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)

Note: It is the student's responsibility to meet all prerequisites for every course selected.

From Psychology, select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 3143 Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CLP 3302 Clinical Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CLP 4134 Childhood Psychopathology</td>
<td>3</td>
</tr>
<tr>
<td>PCC 4203 Interviewing and Counseling</td>
<td>3</td>
</tr>
</tbody>
</table>

From Sociology, select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYP 3511 Sociology of Murder</td>
<td>3</td>
</tr>
<tr>
<td>SYP 3530 Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>SYP 3540 Sociology of Law</td>
<td>3</td>
</tr>
<tr>
<td>SYP 3562 Soc Perspectives on Domestic Violence</td>
<td>3</td>
</tr>
<tr>
<td>SYP 4521 Criminalization in Society</td>
<td>3</td>
</tr>
<tr>
<td>SYP 4541 Sociology of Violence</td>
<td>3</td>
</tr>
<tr>
<td>SYP 4536 Gangs and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

From Criminal Justice, select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3014 Crime in America</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 3024 Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4670 Women and Crime</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4630 Serial Murder &amp; CJ</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4012 Criminal Profiling in CJ</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 3667 Victims and the CJ System</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4681 Domestic Violence &amp; the Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4690 Sex Offenders &amp; the CJ System</td>
<td>3</td>
</tr>
</tbody>
</table>

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

CHILDREN'S SERVICES: Certificate

College of Health and Public Affairs

School of Social Work, HPA 204

E-mail: socialwk@mail.ucf.edu

BSW Coordinator: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children's Services Certificate is designed to help students learn about the various components of the child welfare system and how that system impacts children and families. Students are prepared to identify child welfare problems such as child abuse and neglect experienced by children and families and are taught basic skills in working with families and with the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort with the 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

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 3352 Practice II: Interpersonal Skills</td>
<td>3</td>
</tr>
<tr>
<td>SOW 4654 Children's Services</td>
<td>3</td>
</tr>
<tr>
<td>SOW 4650 Child Abuse: Treatment &amp; Prevention</td>
<td>3</td>
</tr>
<tr>
<td>SOW 4510 or SOW 4941 Field Education*</td>
<td>9</td>
</tr>
</tbody>
</table>

*Refer to UCF Catalog for limited offerings.

CRIME ANALYSIS AND CRIME MAPPING: Certificate

College of Health and Public Affairs

Department of Criminal Justice and Legal Studies

HPA 311

Contact: Cory Watkins, 407-823-0365, E-mail: rwatkins@mail.ucf.edu

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five classes (15 credit hours) are required for this undergraduate certificate.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements

Required Courses (in sequence) (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJE 3662 CJ Information Technology and Data Management</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4653 Crime Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4076 Crime Analysis II</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Upper Division Electives (6 hrs)

Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3451 Justice System Technology</td>
<td>3</td>
</tr>
<tr>
<td>CJE 3444 Crime Prevention</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4654 Crime and Place</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 3450 Criminal Justice Manager</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4550 Policy Development in Law Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4572 Justice Agency Operations</td>
<td>3</td>
</tr>
</tbody>
</table>

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF and the Department of Criminal Justice.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

CRIME SCENE INVESTIGATION: Certificate

College of Health and Public Affairs

Department of Criminal Justice and Legal Studies

HPA 311; Department of Sociology and Anthropology

PH 403

Contact: David Fabianic, 407-823-5940, E-mail: Fabianic@mail.ucf.edu; Mary Ann Eastep, 407 823-3598, E-mail: meastep@mail.ucf.edu; John J. Schultz, 407-823-2618, E-mail: 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

Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4521C Forensic Anthropology*</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4101 Archaeological Sciences*</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4012 Criminal Profiling in CJ</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4610 Criminal Investigation</td>
<td>3</td>
</tr>
</tbody>
</table>

Restriction Upper Division Electives (3 hrs)

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4528C Advanced Forensic Anthropology*</td>
<td>5</td>
</tr>
<tr>
<td>SYP 3511 Sociology of Murder</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4630 Serial Murder and the Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4195 Interviews and Interrogations in CJ</td>
<td>3</td>
</tr>
<tr>
<td>CHS 3501 Introduction to Forensic Science</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3115 Archaeological Method and Theory*</td>
<td>3</td>
</tr>
</tbody>
</table>

*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.
Certificates

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

CRIMINAL PROFILING: Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311
Contact: David Fabianic, 407-823-5940, E-mail: fabianic@mail.ucf.edu; Mary Ann Eastep, 407-823-3598, E-mail: meastep@mail.ucf.edu

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today's law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for which profiling is most useful. The program requires 15 credit hours of undergraduate work.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements

- Required Courses: 12 hrs
  - CLP 3143 Abnormal Psychology 3 hrs
  - CJE 4630 Serial Murder and the Criminal Justice System 3 hrs
  - CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
  - CJE 4012 Criminal Profiling in Criminal Justice 3 hrs

- Restricted Upper Division Electives: 3 hrs
  - Select one of the following:
    - CJE 4610 Criminal Investigation 3 hrs
    - DSC 4012 Terrorism 3 hrs
    - CCJ 4195 Interviews and Interrogations in CJ 3 hrs

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

CULTURAL TOURISM: Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Contact: Interdisciplinary Studies Advising Team, 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

Credit Hour Requirements

- Required Courses: 18 hrs
  - HFT 3540 Guest Service Management 3 hrs
  - HFT 3700 Tourism Management 3 hrs
  - HFT 4725 Tourism Geography 3 hrs
  - ANT 4438 Anthropology of Tourism 3 hrs

- Choose two classes from one of the following areas: 6 hrs
  - African American Heritage area (choose two classes)
    - AFA 3104 The African American Experience
    - AFA 4105 Documenting African American Heritage and Life
    - SYD 3700 Race and Ethnic Minorities in the United States
  - Anthropology area (choose two classes)
    - ANT 2100 Archaeology and the Rise of Human Culture
    - ANT 3212 Peoples of the World
    - ANT 2410 Cultural Anthropology
    - ANT 3115 Archaeological Method and Theory
    - ANT 3070 Applied Anthropology

Environmental Tourism area (choose two classes)
- BOT 3152C Local Flora
- PCB 3442 Florida Aquatic Ecology
- INR 4331 International Environmental Law
- PUP 3203 Environmental Politics
- PUP 4204 Sustainability
- SYD 4510 Environmental Sociology

Latin American area (choose two classes)
- ANT 3163 Meso American Archaeology
- ANT 3168 Maya Archaeology
- ANT 4332 Peoples and Cultures of Latin America
- ANT 4340 Caribbean Archaeology
- ARH 4655 Meso American Art
- CPO 4303 Comparative Latin American Politics
- LAH 3400 History of Mexico and Central America
- LAH 3470 History of the Caribbean
- LAH 3130 Latin American History I
- LAH 3200 Latin American History II

Other Requirements

- A grade of “C” or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director.

DIPLOMACY: Certificate
College of Sciences
Department of Political Science, PH 302, 407-823-2608
http://www.cos.ucf.edu/politicalscience
Department of History, MH 552, 407-823-2225
http://www.cah.ucf.edu/history
Contact: Dr. R. Handberg; Dr. E. Kallina

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice.

For degree-seeking students, certificates will be awarded only at the time of degree completion.

Credit Hour Requirements

- Required Courses: 9 hrs
  - INR 4030 Diplomacy 3 hrs
  - INR 4102 American Foreign Policy 3 hrs

- Restricted Upper Division Electives: 6 hrs
  - Select two of the following:
    - INR 4114 American Security Policy
    - INR 4054 Global Politics of Energy
    - INR 4074 Immigration Policy
    - INR 4075 Human Rights Policy
    - INR 4076 Global Drug Policy
    - INR 4714 Politics of International Trade Policy
    - INR 4104 Topics in American Foreign Policy
    - INR 4351 International Environmental Law
    - INR 4401 International Law I
    - INR 4502 International Organizations
    - AMH 4512 U.S. Diplomacy: 1914-1945
    - EUH 4620 European Great Powers: 1815-1914

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the directors’ discretion.
EDUCATIONAL STUDIES: Certificate
College of Education
Department of Educational Studies, ED 206E
Only open to non-education majors
http://education.ucf.edu/es/es_certificate.cfm
Program Coordinator: W. Scott Wise, ED 220B, 407-823-1502,
E-mail: wwise@mail.ucf.edu

The Educational Studies certificate is intended to provide for students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this certificate can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This certificate is designed to promote student success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education. An Educational Studies minor that includes a sixth course is also an alternative. This certificate is available for students in the 2007 catalog year and beyond.

Credit Hour Requirements  15 hrs
Core Courses (12 hrs)
EDF 4603  Analysis & Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
EDG 4467  Learning Theory & Assessment 3 hrs
EDG 4410  Teaching Strategies & Classroom Management 3 hrs
RED 4043  Content Reading in Kindergarten through Grade Twelve 3 hrs

Restricted Electives (select one) (3 hrs)
MAE 4634  Programs in Teaching Mathematics 3 hrs
SCE 4361  Programs in Teaching Science 3 hrs
LAE 4464  Introduction to Adolescent Literature 3 hrs
LAE 4342  Teaching Language/Composition 3 hrs
SSE 4936  Programs in Teaching Social Science 3 hrs

Other Requirements:
- A grade of "C" (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used.

Note: Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

ENERGY TECHNOLOGY: Certificate
College of Engineering and Computer Science
Department of Engineering Technology, ENGR 207
CECS Academic Affairs Office, ENGR 107
Contact: Ahmad Sleiti, 407-823-2728; Fax: 407-823-4746;
E-mail: asleiti@mail.ucf.edu

The Energy Technology Certificate supports the need for educated graduates that comprise the next generation workforce needed for energy research and development in government and industry. Program graduates will demonstrate an appropriate mastery of the knowledge, techniques, skills, and modern tools related to Energy Technology.

Certificate will only be awarded at the time of degree completion.

Credit Hour Requirements  11 hrs
ETM 4220  Applied Energy Systems 4 hrs
EGN 4300C  Hydrogen Production and Handling 3 hrs
EGN 4731C  Fuel Cell Technologies 3 hrs
EGN 4730  Renewable Energy Sys 3 hrs

Other Requirements:
- A minimum grade of C (2.0) is required for all courses in the minor.
- No credit by exam (TSD, Military credit) may be used.

FINANCE: Certificate
College of Business Administration
BA 409
http://www.bus.ucf.edu/finance

*Restricted to Finance majors

Certificates will be awarded only at the time of Finance degree completion.

Credit Hour Requirements  12-15 hrs
Certificate in Banking  15 hrs
FIN 4313  Management of Financial Institutions 3 hrs
FIN 4324  Commercial Bank Management 3 hrs
ACG 3131  Financial Accounting Concepts & Analysis 3 hrs
ACG 3141  Intermediate Financial Accounting 3 hrs
MAR 3391  Professional Selling 3 hrs
FIN 4941**  Internship 3 hrs

Certificate in Corporate Finance  12 hrs
ACG 3131  Financial Accounting Concepts & Analysis 3 hrs
FIN 3414  Intermediate Corporate Finance 3 hrs
FIN 3461  Financial Statement Analysis or 3 hrs
FIN 4424  Adv Topics in Financial Management 3 hrs
FIN 4941**  Internship 3 hrs

Certificate in Investments  12 hrs
FIN 3504  Investment Analysis 3 hrs
FIN 4514  Portfolio Analysis and Management 3 hrs
FIN 4533  Financial Derivatives 3 hrs
*FIN 4941 Internship 3 hrs

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest.

JUDAIC STUDIES: Certificate
College of Arts and Humanities
Judaic Studies Program, CNH 415 E-J
http://www.judaicstudies.cah.ucf.edu/
E-mail: judaicst@pegasus.cc.ucf.edu

Program Director: Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The Program cooperates with the departments of English, Modern Languages, History, Philosophy, Political Science, and Sociology/Anthropology, and with the Interdisciplinary Studies and Women’s Studies Programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses.

Credit Hour Requirements  15 hrs

Language
HBR 1120  Elementary Modern Hebrew Lang and Cult I
HBR 1121  Elementary Modern Hebrew Lang and Cult II
HBR 2200  Intermediate Modern Hebrew Language and Culture I
HBR 2201  Intermediate Modern Hebrew Language and Culture II
HBR 3250  Biblical Hebrew
HBR 3410  Conversational Israeli Hebrew

Jewish History
JST 3401  The Jewish People I
JST 3402  The Jewish People II
JST 3550  Introduction of Modernism into Judaism
JST 3481  20th Century Jewish History and Thought
JST 3701  History of the Holocaust

Bible
JST 3120  Hebrew Scriptures
JST 3125  The Book of Job
JST 3126  Romantic Love in the Bible
JST 3144  Dead Sea Scrolls

Literature
JST 3100  The Hebrew Creative Mind
JST 3312  Identity and Genre
JST 3751  Literature of the Holocaust

Culture
JST 3450  Modern Jewish Experience
JST 3820  Modern Hebrew Culture
JST 3810  The Jewish National Movement

UCF
Other Requirements

A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.

At least 12 hours used in the certificate must be earned at UCF.

No credit by exam (TSD, Military credit) may be used.

Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

LANGUAGE DEVELOPMENT AND DISORDERS: Certificate
College of Health and Public Affairs
Department of Communication Sciences and Disorders, HPA2, Suite 101
http://www.cohpa.ucf.edu/comdis
Undergraduate Coordinator: Jamie B. Schwartz, 407-823-4798,
E-mail: jschwart@mail.ucf.edu

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring in Communication Sciences and Disorders but are in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements  13 hrs

Required Courses

- LIN 3716 Language Development: Birth Through 8 Years  3 hrs
- LIN 3717 Language Development: 9-18 Years  3 hrs
- LIN 4711 Language Analysis  3 hrs
- LIN 4711L Language Analysis Lab  1 hr
- SPA 4400 Language Disorders Across the Life Span  3 hrs

Other Requirements

A minimum grade of "C-" (1.75) is required in each course.

Students must earn an overall minimum GPA of 2.0 in the courses used to complete the certificate.

At least 10 hours used in the certificate must be earned at UCF with the Department of Communication Sciences and Disorders.

No credit by exam (TSD, Military credit) internship or independent study credit may be used toward the certificate.

LEADERSHIP STUDIES: Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL-I 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Total Credit Hour Requirements (13 hrs)
Foundation Requirement (4 hrs)
- LDR 1XXX Foundations of Leadership  (2 hrs)
- LDR 1XXX Intermediate Foundations of Leadership  (2 hrs)
(PR: LDR 1XXX Foundations of Leadership)

Restricted Requirements (9 hrs)

Choose one course from each of three areas.
A. Communication

- COM 301C Communication and Human Relations  (3 hrs)
- COM 3120 Organizational Communication  (3 hrs)
- COM 4461 Intercultural Communication  (3 hrs)
(can only be used in Area A or Area C)
- COM 4462 Conflict Management  (3 hrs)

B. Collaboration

- INP 3004 Industrial/Organizational Psychology  (3 hrs)
- INP 4313 Organizational Psychology  (3 hrs)
- MAN 4240 Organizations: Theory and Behavior  (4 hrs)
- MAN 3025 Management of Organizations  (4 hrs)
- SPC 4426 Group Dynamics  (3 hrs)

C. Social Relations and Culture

- ANT 3541 Biobehavioral Anthropology  (3 hrs)
- CLP 3143 Abnormal Psychology  (3 hrs)
- COM 4661 Intercultural Communication  (3 hrs)
(can only be used in Area A or Area C)
- EXP 3304 Motivation  (3 hrs)
- SOP 3004 Social Psychology  (3 hrs)
- SOP 3723 Cross Cultural Psychology  (3 hrs)
- SOP 3742 Psychology of Women  (3 hrs)
- SOP 3784 Psychology of Diversity  (3 hrs)

D. Politics

- PAD 3003 Public Administration in American Society  (3 hrs)
- PAD 4104 Administration Theory  (3 hrs)
- PAD 4144 Non-Profit Organizations  (3 hrs)
- PAF 4754 Interdisciplinary Leadership in Public Affairs  (3 hrs)
- POS 3413 The American Presidency  (3 hrs)
- POS 4026 Political Psychology  (3 hrs)
- PUP 3325 Women and Political Behavior  (3 hrs)

E. Ethics

- BUL 3130 Legal and Ethical Environment of Business  (4 hrs)
- EDF 3601 Professional Ethics in Education  (3 hrs)
- PAD 3040 Ethics and Values in Public Administration  (3 hrs)
- PHI 2108 Critical Thinking  (3 hrs)
- PHI 3640 Environmental Ethics  (3 hrs)

Other Requirements

- Earn a grade of "C" (2.0) or better in each course used to satisfy the certificate.
- At least 12 credit hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Students cannot complete both the Leadership Studies certificate and the Leadership Studies minor.

MARKETING: Certificates
College of Business Administration
Department of Marketing, BA2 307S

*Restricted to Marketing majors  6 hrs

Certificates will be awarded only at the time of Marketing degree completion.

Certificate in Selling and Sales Management

- MAR 3403 Sales Force Management  (internship in sales-related position)
- **MAR 4941 (can only be used in Area A or Area C)

Certificate in Retailing Management

- MAR 4231 Retailing Management  (internship in retail-related position)
- **MAR 4941 (can only be used in Area A or Area C)

Certificate in e-Marketing

- MAR 3721 e-Marketing  (internship in "e"-related position)
- **MAR 4941 (can only be used in Area A or Area C)

Certificate in Sport Marketing Management

- MAR 4711 Sport Marketing  (internship in sport-related position)
- **MAR 4941 (can only be used in Area A or Area C)

Certificate in Healthcare Marketing

- MAR 4712 Healthcare Marketing  (internship in healthcare-related position)
- **MAR 4941 (can only be used in Area A or Area C)

Certificate in Services Marketing

- MAR 4841 Services Marketing  (internship in services-related position)
- **MAR 4941 (can only be used in Area A or Area C)

Certificate in Entertainment Marketing

- MAR 4715 Entertainment Marketing  (internship in entertainment-related position)
- **MAR 4941 (can only be used in Area A or Area C)

*These six hours count as the six elective marketing hours required in the major.

**Certificate attainment is subject to the availability of internship opportunities in the area of interest.
MILITARY SCIENCE: Certificate
College of Engineering and Computer Science

Army ROTC, BLDG 501
Contact: LTC Bryce Christensen, 407-823-1872

Students enrolled in the UCF Army ROTC Military Science Program who are contracted under a three semester option prior to Commissioning will be eligible for a Military Science Certificate in Military Studies. Application for a Military Science Certificate will be approved by the Military Science Department Chair once a contracted Cadet completes the 12 credit hours of MSL Advanced Course instruction and the 3 credit hour Military History Course for a combined total of 15 credit hours in Military Science. Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 15 hrs
Required Courses
- MSL 3201C Leadership and Problem Solving 4 hrs
- MSL 3202C Leadership and Ethics 4 hrs
- MSL 4301C Leadership and Management 4 hrs
- MSL 4302C Officership 4 hrs
- AMH 2547 U.S. Military History since 1900 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit can be used toward the minor.
- Students earning the Military Science Minor are not eligible for this certificate.

NONPROFIT MANAGEMENT: Certificate
College of Health & Public Affairs
Department of Public Administration, HPA2 238
http://www.cohpa.ucf.edu/pubadm/
Contact: Mary Ann Feldheim, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career. Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 18 hrs
Required Courses (15 hrs)
- PAD 4144 Nonprofit Organizations 3 hrs
- PAD 4148 Volunteer Management 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs
- PAD 4153 Planning and Improvement for Public Organizations 3 hrs

Restrictive Elective Course (3 hrs)
See advisor for approved courses.

Other Requirements
- A minimum grade of “C” (2.0) is required in each course.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration.

REAL ESTATE: Certificates
College of Business Administration
Dr. P. Phillips School of Real Estate, BA 409
http://www.bus.ucf.edu/finance

*Restricted to Real Estate majors

Credit Hour Requirements 15 hrs
Certificates will be awarded only at the time of Real Estate degree completion.

Certificate in Real Estate Brokerage
(Completion of this certificate qualifies a student to sit for the Florida real estate sales license)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4303 Real Estate Investment Analysis 3 hrs
- MAR 3391 Professional Selling 3 hrs
- REE 4941** Internship (real estate brokerage) 3 hrs

Certificate in Real Estate Appraisal
(Completion of this certificate qualifies a student to sit for the Florida real estate appraiser’s license.)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4103 Real Estate Appraisal and Valuation 3 hrs
- MAR 3391 Professional Selling 3 hrs
- REE 4941** Internship (real estate appraisal) 3 hrs

Certificate in Mortgage Brokerage
(Completion of this certificate qualifies a student to sit for the Florida mortgage broker’s license)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4204 Residential Real Estate Finance 3 hrs
- MAR 3391 Professional Selling 3 hrs
- REE 4941** Internship (mortgage brokerage) 3 hrs

*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams.

**Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 2.75 to qualify for an internship.

SECURITY MANAGEMENT: Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311
Contact: Jerome Randall, 407-823-2603,
E-mail: jrandall@mail.ucf.edu

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 15 hrs
Required Courses (12 hrs)
- SCC 3311 Security Administration 3 hrs
- CJT 3803 Security Management 3 hrs
- CJT 4843 Risk Management 3 hrs
- CCJ 4644 White Collar Crime 3 hrs

Restricted Upper Division Electives (3 hrs)
Select one of the following:
- DSC 4012 Conflict and Terrorism 3 hrs
- CJE 3444 Crime Prevention 3 hrs
- SCC 3316 Special Security Problems 3 hrs
- PLA5937 Seminar in Contemporary Legal Problems 3 hrs
- PLA3273 Law of Torts 3 hrs

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

SERVICE-LEARNING: Certificate
Office of Undergraduate Studies
Experiential Learning, FC 203
http://www.explearning.ucf.edu

Contact: A. Zeh, 407-823-266, E-mail: azeh@mail.ucf.edu

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. Since this certificate requires the completion of four SL courses, it reflects significant interest and commitment to this
Certificates

process. This certificate is open to all undergraduate and graduate students in any major.

Credit Hour Requirements: 12 hrs
Course Requirements: 4 UCF-approved SL courses
Students may choose any four of the UCF-approved service-learning courses in any discipline to satisfy the credit hour requirements. Service-Learning courses are designated with an "SL" and can be accessed under "special groups" in the class schedule.

Other Requirements:
- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

SUBSTITUTE TEACHING: Certificate
College of Education
Department of Educational Studies
http://education.ucf.edu/
Program Coordinator: W. Scott Wise, ED 220B 407-823-1502, E-mail: wwise@mail.ucf.edu

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. The certificate is intended for University students enrolled outside the College of Education and does not lead to teacher certification or admission to the College of Education. The certificate is appropriate for students who are seeking an enhanced understanding of how to be an effective substitute teacher in PK-12 school classrooms, or for those who are considering a future career as a fully certified teacher. This certificate may also strengthen the marketability of students' major programs. This certificate is available for students in the 2006 catalog year and beyond.

Credit Hour Requirements: 9 hrs
Required Courses:
- EDF 2207 Introduction to Substitute Teaching 3 hrs
- EDF 2250 Classroom Management for Substitute Teachers 3 hrs
- EDF 5331 Teaching Strategies for Substitute Teachers 3 hrs

Other Requirements:
- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- At least 6 hours used in the certificate must be earned at UCF. Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.

TRANSLATION AND INTERPRETATION: Certificate
College of Arts and Humanities
Modern Languages and Literatures, CNH 505
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: Maria Redmon, CNH 512, 407-823-5738, E-mail: mredmon@mail.ucf.edu

Credit Hour Requirements: 18 hrs
Required Courses:
- Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.
- EDF 2207 Introduction to Substitute Teaching 3 hrs
- EDF 2250 Classroom Management for Substitute Teachers 3 hrs
- EDF 5331 Teaching Strategies for Substitute Teachers 3 hrs

Required Courses:
- SPT 3800 Spanish Translation and Interpretation 3 hrs
- SPT 3805 Spanish Trans & Intep for Mass Com 3 hrs
- SPT 3809 Medical Spanish Trans/Interp 3 hrs
- SPT 3831 Spanish Legal Trans/Interp 3 hrs

Restricted Upper Division Electives:
- SPN 3933 Spanish Across the Curriculum 3 hrs
- SPN 4941 Internship 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 within the Department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate.
- Satisfactory completion of translation and interpretation exit exam.

VICTIM ADVOCACY: Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311
Contact: Mary Ann Eastep, 407-823-3598, E-mail: meastep@mail.ucf.edu

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice and Legal Studies, the College of Nursing, the Department of Sociology, and the School of Social Work.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements: 15 hrs
Required Courses:
- CCJ 3697 Victims and the CJ System 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the CJ System 3 hrs

Restricted Upper Division Electives:
Select two of the following:
- SYP 4521 Criminal Victimization in Society 3 hrs
- NUR 4516 Crisis Intervention 3 hrs
- SOW 4754 Forensic Social Work Theory and Practice 3 hrs
- CCJ 4656 Delinquency Control 3 hrs
- CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
- CCJ 4129 Cultural Diversity in Criminal Justice 3 hrs

Other Requirements:
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

WOMEN'S STUDIES: Certificate
College of Arts and Humanities
Women's Studies Program, CNH 201H
http://womensstudies.cah.ucf.edu
E-mail: womenst@ucf.edu
Contact: K. M. Oliver, 407-823-6502

The certificate program in Women's Studies is designed to provide students with a basic, working knowledge of gender roles and women's issues. The certificate program is open to both degree-seekers and non-degree-seeking students, but should be particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

Credit Hour Requirements: 12 hrs
Required Course:
- WST 3015 Introduction to Women's Studies 3 hrs

Electives:
Selecting a minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

Internship Option:
At least 12 hours used in the certificate must be earned at UCF.

Other Requirements:
- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades of “C” or below will not be counted toward the Women's Studies Minor.
- At least nine hours used in the certificate be earned in the major area of study.
International Studies
Director: Angel Cardec; Research Pavilion, Suite 395, P.O. Box 163105, Orlando, FL 32816-3105; 407-882-2300; Fax: 407-882-0240; http://www.international.ucf.edu.

The Office of International Studies (OIS) connects UCF students and faculty to diverse world communities. Its mission is to promote, support, facilitate, advocate, and implement activities that lead to the internationalization of education and research at UCF. This is accomplished through: development and administration of UCF study abroad programs; faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

Study Abroad Programs
http://www.studyabroad.ucf.edu

By its very nature, study abroad provides an exciting setting for learning - one in which student interaction is central to the learning process. Study abroad participants learn about new environments, customs and, in many cases, new languages. They deal with the uncertainties of international travel and must adapt to the dynamics of the group. Maturity, self confidence, and awareness of other cultures are only some of the benefits of study abroad. Students are invited to expand their classroom, their experience, and their future through study abroad.

UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience, while matching the specific needs and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

Short Term Programs are intended to provide the maximum amount of exposure to a subject in the shortest period of time. They must meet all the criteria for UCF courses and can be delivered as complete modules, or as a complement to a course delivered on campus or online. Examples of past short term programs include the following: intensive language programs in France, Japan, Germany, Spain and Italy; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica and Russia; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Scotland.

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; University of Lima in Peru; Jonkoping and Malardalen universities in Sweden; and Northampton University and University of Surrey in the United Kingdom.

There are many more study abroad options. It is important that interested participants investigate their choices, the requirements and the implications that each choice has in terms of cost, credit transferability and progress toward graduation. OIS staff members can provide program advice and general information about options. For up-to-date information, please visit http://www.studyabroad.ucf.edu or contact OIS at 407-882-2300.
ACCELERATED UNDERGRADUATE-GRADUATE PROGRAMS

AEROSPACE ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.A.E./M.S.A.E. or M.S.M.E.)
College of Engineering and Computer Science
Mechanical, Materials, and Aerospace Engineering Department
ENGR 307, 407-823-2416; Fax: 407-823-0208
http://www.mmae.ucf.edu

Admission Guidelines

■ See Common Program Prerequisites.
■ Qualified students may apply after completion of a minimum of 64 credit hours.
■ Completion of no more than 96 credit hours.
■ Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
■ Admission is not automatic. Interested students may need to be interviewed.

1. UCF General Education Program (36+2 hrs)
(See Aerospace Engineering major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP's) (19 hrs)
(See Aerospace Engineering major in the Catalog for the CPP requirements)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Courses Required for the Major (55 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the technical elective courses listed in 4, below and with the senior design courses listed in 5, below. Independent study courses generally do not satisfy major requirements.

   EGN 1006C Intro to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts & Methods 1 hr
   EGN 3310 Engineering Analysis - Statics 3 hrs
   EGN 3321 Engineering Analysis - Dynamics 3 hrs
   EMA 3706 Structure & Properties of AE Mats 3 hrs
   EGN 3373 Principles of Electrical Engineering 3 hrs
   STA 3022 Probability & Statistics for Engineers GEP
   EAS 3010 Fundamentals of Aerospace Flight 3 hrs
   EAS 3101 Aerodynamics I 3 hrs
   EAS 3800C Aerospace Engineering Measurements 3 hrs
   EAS 3810C Design of Aerospace Experiments 3 hrs
   EAS 4105 Flight Mechanics 3 hrs
   EAS 4134 High-Speed Aerodynamics 3 hrs
   EAS 4200 Flight Structures 3 hrs
   EAS 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 MMAE 3 hrs
   EML 4312C Feedback Control 3 hrs
   EGM 3601 Solid Mechanics 3 hrs
   EAS 4210 Space Structural Design 3 hrs

4. Approved Technical Electives (9 hrs)
Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

5. Departmental Graduation Requirements (6 hrs)
   EAS 4700C Aerospace Design I 3 hrs
   or EGN 4112C Interdisciplinary Design I
   EAS 4710C Aerospace Design II 3 hrs
   or EGN 4413C Interdisciplinary Design II
■ CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

7. University Minimum Graduation Requirements
■ A 2.0 UCF GPA.
■ 60 semester hours earned after any CLEP award.
■ 48 semester hours of upper division credit completed.
■ 30 of the last 36 hours of course work must be completed in residency at UCF.
■ 25% of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required (B.S.A.E) 128 hrs

8. Shared B.S.A.E./M.S.A.E. or M.S.M.E. 10-12 hrs
Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

9. Areas of Study M.S.A.E. or M.S.M.E. 18-20 hrs
Students must complete all requirements within the masters program to which they are admitted. See the list below for possible options. Detailed information regarding course and graduation requirements can be located in the Graduate Catalog. Students have an end of program option of (1) Thesis or (2) non thesis (see Graduate Catalog for a detailed description of these options).

Computer–Aided Mechanical Engineering Track
Mechanical Systems Track
Space Systems Design and Engineering Track
Thermofluid Aerodynamic Systems Design and Engineering Track
Thermofluids Track

Total Semester hours (B. S. A.E./M.S.A.E. or M.S.M.E.) 146-148 hrs
The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.

The following will be waived for this joint degree program
■ The limit of nine hours to be shared between undergraduate and graduate programs.
■ Undergraduate students taking graduate courses must be within nine hours of graduation
■ Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
■ Undergraduate students are not eligible to take 6000-level courses

Equipment Fee
■ Full-time Student ........................................... $90 per term
■ Part-time Student ........................................... $45 per term
**Accelerated Undergraduate-Graduate Programs**

**COMMUNICATION SCIENCES AND DISORDERS**

**ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.A./B.S. and M.A.)**

**College Of Health and Public Affairs**

**Department of Communication Sciences and Disorders**

HPA2 101, 407-823-4798;
Bachelor’s program E-mail: comdissg@mail.ucf.edu;
Master’s program E-mail: comdisma@mail.ucf.edu

http://www.cohpa.ucf.edu/comdis/

**Purpose of this program** - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 18 credit hours of graduate-level courses while completing the bachelor’s degree. This enables full-time students to achieve a master’s degree in one to two fewer semesters.

**Admission requirements**
- Completion of the junior year of course work in communication sciences and disorders.
- 3.5 GPA or better in courses in the major.
- 1000 on the combined verbal and quantitative sections of the Graduate Record Examination and a score of at least 500 on the verbal section.
- Completion of a graduate application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a “B” or better for all 18 credit hours of graduate course work will be formally admitted into the master’s program in communication sciences and disorders following receipt of the bachelor’s degree.

**Degree Requirements**

**1. UCF General Education Program** (36 hrs)

- A. Communication Foundations
  - SPA 3471 Communication Disorders in Literature and Media 3 hrs
  - SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
  - SPA 3112 Basic Phonetics 3 hrs
  - SPA 3112L Basic Phonetics Lab 1 hr
  - LIN 3716 Language Development: Birth Through 8 Years 3 hrs
  - SPA 3011 Speech Science I: Speech Production 3 hrs
  - SPA 3011L Speech Production Lab 1 hr
  - LIN 3717 Language Development: 9-18 Years 3 hrs
  - SPA 3104 Neural Bases of Communication 3 hrs
  - SPA 3123 Speech Science II: Speech Perception 3 hrs
  - SPA 3123L Speech Perception Lab 1 hr
  - SPA 4032 Audiology 3 hrs
  - LIN 4711 Language Analysis 3 hrs
  - LIN 4711L Language Analysis Lab 1 hr
  - SPA 4321 Audiological Rehabilitation 3 hrs
  - SPA 4478 Multicultural Aspects of Communication Disorders and Differences 3 hrs
  - EAB 3703 Principles of Behavior Modification or 3 hrs
  - EE 4016 Introduction to Behavior Management or 3 hrs
  - EEC 4604 Guidance of Young Children or 3 hrs
  - EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
  - SPA 3472 Guidance of Young Children or With Communication Disorders 3 hrs
  - SPA 4056C Clinical Methods in Communication Disorders 5 hrs

**2. Common Program Prerequisites** (48-51 hrs)

- DEP 2004 Developmental Psychology 3 hrs
- SPA 3471 Communication Disorders in Literature and Media 3 hrs
- SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
- SPA 3112 Basic Phonetics 3 hrs
- SPA 3112L Basic Phonetics Lab 1 hr
- LIN 3716 Language Development: Birth Through 8 Years 3 hrs
- SPA 3011 Speech Science I: Speech Production 3 hrs
- SPA 3011L Speech Production Lab 1 hr
- LIN 3717 Language Development: 9-18 Years 3 hrs
- SPA 3104 Neural Bases of Communication 3 hrs
- SPA 3123 Speech Science II: Speech Perception 3 hrs
- SPA 3123L Speech Perception Lab 1 hr
- SPA 4032 Audiology 3 hrs
- LIN 4711 Language Analysis 3 hrs
- LIN 4711L Language Analysis Lab 1 hr
- SPA 4321 Audiological Rehabilitation 3 hrs
- SPA 4478 Multicultural Aspects of Communication Disorders and Differences 3 hrs
- EAB 3703 Principles of Behavior Modification or 3 hrs
- EE 4016 Introduction to Behavior Management or 3 hrs
- EEC 4604 Guidance of Young Children or 3 hrs
- EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
- SPA 3472 Guidance of Young Children or With Communication Disorders 3 hrs

**3. Statistics Requirement** (3-6 hrs)

Students have two options for completing this requirement:

- **Option 1:**
  - STA 2023 Statistical Methods I GEP and 3 hrs
  - STA 4163 Statistical Methods II or 3 hrs
- **Option 2:**
  - STA 204C Principles of Statistics (GEP) or 3 hrs
  - STA 2023 Statistical Methods I 3 hrs
  - SPA 4803 Research in Communication Disorders 3 hrs

**5. Electives** (6 hrs min)

- **B.A. Option**
  - Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.
- **B.S. Option**
  - Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.

**6. Shared Bachelor’s and Master’s Courses** (18 hrs)

- SPA 6402 Preschool Language Disorders 3 hrs
- SPA 6403 School-Aged Language Disorders 3 hrs
- SPA 6410 Aphasia and Related Disorders 3 hrs
- SPA 6204 Articulation/Phonological Disorders 3 hrs
- SPA 6805 Research in Communication Disorders 3 hrs
- or
- SPA 5473 Multicultural Aspects of Communication Disorders and Differences 3 hrs
- SPA 6503 Entry-Level Clinical Practicum 3 hrs

**7. Foreign Language Requirements**

**Admissions:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

**Graduation:** Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

**8. Departmental Exit Requirements**

- A minimum grade of “B” in all graduate courses.
- A minimum GPA of 3.0 in the courses used to satisfy the major.
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination.

**9. University Minimum Exit Requirements** (120 hrs)

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

**Total Semester Hours Required:** 120 hrs

**10. Courses taken toward Master’s Degree**

*In the Accelerated Program, students may elect to enroll in either SPA 5473, which replaces SPA 4478, or SPA 6805, which replaces SPA 4803.

**Related Programs:** Health Services Administration, Physical Therapy, Psychology, Social Work, Exceptional Student Education, Early Childhood Education

**Related Minors:** American Sign Language, Exceptional Education, Early Childhood Education, Aging Studies, Health Services Administration, Interpersonal Communication, Linguistics, Psychology

**Transfer Notes:**
- **“D” (1.0) grades are not accepted.**
- **Courses taken at community colleges do not substitute for Upper Division courses.**
- **Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.**
- **Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.**

**Equipment Fee**

- Full-time Student: $90 per term
- Part-time Student: $45 per term
### Computer Engineering Accelerated Undergraduate-Graduate Program

**B.S.P.E./M.S.P.E.**

**College of Engineering and Computer Science**

**School of Electrical Engineering & Computer Science**


**Admission Guidelines**

- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of the senior year
- Admission is not automatic. Interested students may need to be interviewed.

1. **UCF General Education Program** (36+2 hrs)

   See Computer Engineering major in the Catalog for specific GEP requirements.

2. **Common Program Prerequisites (CPP’s)** (19 hrs)

   See Computer Engineering major in the Catalog for the CPP requirements.

3. **Courses Required for the Computer Engineering Core (8 hrs)**

   See Computer Engineering major in the Catalog for a listing of Computer Engineering core requirements.

   The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

4. **Courses Required for the Major** (48 hrs)

   - COT 3100C Discrete Structures 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 3503C Computer Science II 4 hrs
   - COP 3330 Object Oriented Program 3 hrs
   - CPE 4331C Processes Object Oriented SW Dev 3 hrs
   - EEL 2004 Electrical Networks 3 hrs
   - EEL 3123C Networks and Systems 4 hrs
   - EEE 3307C Electronics I 4 hrs
   - EEE 3342C Digital Systems 3 hrs
   - EEL 3801 Computer Organization 3 hrs
   - EEL 4767C Embedded Systems 4 hrs
   - EEL 476B8 Computer Architecture 4 hrs
   - EEL 4781 Computer Comm Networks 3 hrs
   - COP 4500 Operating Systems 3 hrs

5. **Approved Technical Electives** (9 hrs)

   Technical electives should be taken at the 5000 or 6000 level and are available in the BSCpE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. **Departmental Graduation Requirements** (6 hrs)

   - EEL 4914 Senior Design I 3 hrs
   - EEL 4915L Senior Design II 3 hrs

   CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. **Foreign Language Requirements** (0-8 hrs)

   **Admission**: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   **Graduation**: none

8. **University Minimum Graduation Requirements**

   - A 2.0 UCF GPA.
   - 60 semester hours earned after any CLEP award.
   - 48 semester hours of upper division credit completed.

- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

**Total Semester Hours Required (B.S.P.E.)** 128 hrs

**9. Shared B.S.P.E./M.S.P.E.** 6 hrs

Up to 6 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 6 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Electrical and Computer Engineering department for a list of acceptable courses.

10. **Areas of Study M.S.P.E.** 24 hrs

   Students must complete all requirements within the masters program that they are admitted to. See the list below for possible options. Detailed information regarding course and graduation requirements can be located in the Graduate Catalog. Students have an end of year option of (1) Thesis or (2) non thesis (see Graduate Catalog for a detailed description of these options).

   - Computer Architecture Track
   - Digital Systems Track
   - Intelligent Systems Track
   - Software Engineering Track

**Total Semester hours (B.S.P.E./M.S.P.E.)** 152 hrs

The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The M.S.P.E. will be awarded on completion of the total program of study.

The following will be waived for this joint degree program

- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

**Equipment Fee**

- Full-time Student ............................................. $90 per term
- Part-time Student ............................................. $45 per term

### Computer Science Accelerated Undergraduate-Graduate Program

**B.S./M.S.**

**College of Engineering and Computer Science**

**School of Electrical Engineering & Computer Science**


**Contact**: Ronald Dutton, E-mail: dutton@eecs.ucf.edu; Traci Freund, E-mail: tfreund@eecs.ucf.edu

**Admission Guidelines**

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be interviewed.
Accelerated Undergraduate-Graduate Programs

1. UCF General Education Program (36+3hrs)
   (See Computer Science major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP’s) (15 hrs)
   (See Computer Science major in the Catalog for the CPP requirements)

3. Basic Core Requirements (25 hrs)
   - COP 3330 Intro to OO Programming 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 3503C Computer Science II 4 hrs
   - STA 2023 Statistical Methods I 3 hrs
   - ENC 3241 Technical Report Writing 3 hrs
   - EEL 3801 Computer Organization 3 hrs
   - COT 3100C Intro to Discrete Structures 3 hrs
   - CIS 3360 Security in Computing 3 hrs
   - COP 3402 Systems Software 3 hrs
   - COT 3960 Found. Exam (PR:COT 3100C & COP 3502C) 0 hrs

4. Advanced Core (20 hrs)
   Students must maintain at least a 2.5 GPA in the following courses.
   Only the highest grade is used in the calculation.
   - COP 4331C Processes for OO Software Development 4 hrs
   - EEL 4768C Comp Architecture 4 hrs
   - COT 4210 Discrete Comp Structures 3 hrs
   - COP 4020 Programming Languages I 3 hrs
   - COP 4800 Operating Systems 3 hrs
   - COP 4810 Topics in Computer Science 3 hrs

5. Restricted Electives (15 hrs)
   - 5000 level Computer Science courses 9 hrs
     Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).
   - 4000-5000 level mathematics or statistics 6 hrs
     courses from: STA, MAP, MAA, MAD, MAS prefixes and MAC 2313, MAP 2302, MAS 3105, and MAS 3106. No independent study hours, internship, or cooperative education hours are allowed.

6. School Exit Requirements
   - Complete an exit survey
   - Complete Competency met by completion of major

7. Foreign Language Requirements (0-4 hrs)
   Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation: Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. Electives (variable)
   Select primarily from upper level courses, with the student advisor’s approval. May be outside the department.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required (B.S.) 120 hrs

10. Shared B.S./M.S. 12 hrs
    Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

11. Areas of Study M.S. 18 hrs
    Students must complete all requirements within the masters program that they are admitted to. Detailed information regarding course and graduation requirements can be located in the Graduate Catalog.

Students have an end of program option of (1) Thesis or (2) non-thesis (see Graduate Catalog for a detailed description of these options).

Total Semester hours (B.S./M.S.) 138 hrs

The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 120 hours of credit. Students will then be reclassified as graduate students. The MS will be awarded on completion of the total program of study.

The following will be waived for this joint degree program
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Equipment Fee
- Full-time Student $90 per term
- Part-time Student $45 per term

ECONOMICS ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.A./M.S.)

College of Business Administration
Department of Economics, BA2 305, 407-823-3266
http://www.bus.ucf.edu/economics
Major Advisor: Michael Caputo, BA2 302Q, 407-823-1405,
E-mail: mcaputo@bus.ucf.edu

This program is designed for highly qualified majors in Economics who would like to earn undergraduate and graduate degrees in five rather than six years of full-time course work. The program provides students with specialized training in economics within a broad liberal arts education. A minor from several other colleges can be selected according to the student’s personal interests and career goals.

Admission Guidelines
- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites
- For admission to graduate courses, students must achieve a minimum 3.25 GPA after completion of 80 credit hours and meet the UCF graduate admission requirements as described in the Graduate Catalog.

Degree Requirements

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
   Preferred: SPC 1608
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations 3 hrs
   - Select MAC 2313 or 2311 Calculus
   - Select STA 2023 Statistical Methods I
   - Select STA 2023 Statistical Methods II
   D. Social Foundations 3 hrs
   E. Science Foundation 6 hrs

2. Common Program Prerequisites (3 hrs)
   - ECO 2013 Principles of Macroeconomics or 3 hrs
   - ECO 2023 Principles of Microeconomics
   - Select one: PSY 2013, SYG 2000, ANT 2000
   - E. Science Foundation 3 hrs
   - F. Computer Science 3 hrs

3. Required Undergraduate Major Courses (16 hrs)
   - ECO 3101 Intermediate Microeconomics 3 hrs
   - ECO 3203 Intermediate Macroeconomics 3 hrs
   - ECO 3401 Quantitative Business Tools I 3 hrs
   - ECO 3411 Quantitative Business Tools II 4 hrs
   - ECO 4481 Research Methods in Economics 3 hrs
Accelerated Undergraduate-Graduate Programs

*At UCF, students who have completed MAC 2233 (or any Calculus 1 & 2 sequence) and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.

**Students in the BAMS program are encouraged to select MAC 2311, 2312 and 2313 along with STA 4231 and 4322 as substitutes for ECO 3401 and ECO 3411.

4. Restricted Elective (3 hrs)
Select any other 3000-4000 level economics course.

5. Courses shared BA/MS (15 hrs)
- ECO 6403 Mathematical Economics 3 hrs
- ECO 6118 Microeconomic Theory I 3 hrs
- ECO 6206 Macroeconomic Theory I 3 hrs
- ECO 6424 Econometrics I 3 hrs
- ECO 6XXX Economics Elective 3 hrs
*15 hours counts towards both BA and MS

6. Required Minor (18 hrs)
Completion of a minor in one of the following: Computer Science, Environmental Studies, History, Mathematics, Statistics, Political Science, Psychology, Sociology or Public Administration. Other minors may be selected with prior approval of the Economics Undergraduate Advisor.

7. Program Exit Requirements
- A minimum grade of 3.0 is required for all graduate courses.
- A minimum GPA of 2.5 is required for all courses taken in the major and minor.
- Computer Competence is met by Research Methods course.

8. Foreign Language (0-8 hrs)
Admission: Met by graduate requirement.
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literature or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

9. Electives (variable)

10. University Minimum Exit Requirements - B.A.
- 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credit permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Needed (B.A.) 120 hrs

11. Courses taken toward MS (9 hrs)
Six to nine additional hours of 6000 level economics electives.
A maximum of three hours of an approved non-economic elective may substitute for an economics elective. Select from disciplines such as mathematics, statistics, public administration, health sciences, political science, legal studies, computer science, and environmental engineering.

12. End of Program Option: (6 hrs)
All candidates for the M.S. in Economics degree must complete an end-of-program option. This requirement can be met by any of the following two options: 1) Thesis option or 2) Course work option (see the Graduate Catalog for a detailed description of the options).

Total Semester Hours Needed (BA/MS) 135 hrs

The baccalaureate degree will be awarded when program requirements for the BA are met and students have completed a minimum of 120 hours of credit. Students will then be reclassified as graduate students. The MS will be awarded on completion of the total program of study.

The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs
- Undergraduate students taking 6000 level courses must be within nine hours of graduation
- Undergraduate students taking 6000 level courses must not register for more than a total of twelve hours in that semester

Transfer Notes:
- Grades below "C" (2.0) are not accepted.
- Courses taken at community college do not substitute for Upper Division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

Equipment Fee
- Full-time Student ............................................. $30 per term
- Part-time Student ............................................. $15 per term

ELECTRICAL ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.E.E./M.S.E.E.)
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corporation Engineering Ctr., Rm 346, 407-882-2313; Fax: 407-823-5835
http://www.eecs.ucf.edu

Admission Guidelines
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

1. UCF General Education Program (36+2 hrs)
(See Electrical Engineering major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP’s) (19 hrs)
(See Electrical Engineering major in the Catalog for the CPP requirements)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Courses Required for the Electrical Engineering Core (14 hrs)
(See Electrical Engineering major in the Catalog for a listing of Electrical Engineering core requirements)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

4. Courses Required for the Major (41 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3350</td>
<td>Microprocessors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3350C</td>
<td>Networks and Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEE 3550</td>
<td>Analog and Digital Communications</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEE 3300C</td>
<td>Digital Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 3470</td>
<td>Electromagnetic Fields</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3350</td>
<td>Electronics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3350C</td>
<td>Digital Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3350</td>
<td>Analog and Digital Communications</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEE 3300C</td>
<td>Digital Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEE 3350</td>
<td>Electronics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3350C</td>
<td>Digital Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3350</td>
<td>Analog and Digital Communications</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEE 3300C</td>
<td>Digital Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEE 3350</td>
<td>Electronics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3350C</td>
<td>Digital Systems</td>
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<td>EEL 3350</td>
<td>Analog and Digital Communications</td>
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<td>EEL 3350</td>
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<td>EEE 3350</td>
<td>Electronics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3350C</td>
<td>Digital Systems</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Approved Technical Electives (10 hrs)
Technical electives should be taken at the 5000 or 6000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.
### 6. Departmental Graduation Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4914</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4915L</td>
<td>3</td>
</tr>
</tbody>
</table>

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

### 7. Foreign Language Requirements

**Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** None

### 8. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

**Total Semester Hours Required (B.S.E.E.)** 128 hrs

### 9. Shared B.S.E.E./M.S.E.E.

Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Electrical and Computer Engineering department for a list of acceptable courses.

**Total Semester hours (B.S.E.E./M.S.E.E.)** 146-148 hrs

The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSEE will be awarded on completion of the total program of study.

The following will be waived for this joint degree program:

- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

### Equipment Fee

- Full-time Student: $90 per term
- Part-time Student: $45 per term

### Undergraduate Degree Requirements

- Students must complete nine hours of 3000- or 4000-level undergraduate courses which will count towards their major’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

- 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.

### 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.
- Co-op credit cannot be used in this major.
- Students should consult with the departmental graduate director.
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000- level courses to meet this requirement.
- Students must complete 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).

**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.

**Undergraduate Program E-mail:** hisgrad@ucf.edu

**Undergraduate Program E-mail:** history@ucf.edu

**Chair:** Rosalind J. Beiler, 407-823-2225

**Graduate Program Director:** Hong Zhang
Accelerated Undergraduate-Graduate Programs

Undergraduate Requirements

1. UCF General Education Program (36 hrs)
(See the history major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (0 hrs)
   - AMH 2010*: U. S. History: 1492-1877
   - AMH 2020*: U. S. History: 1877-Present
*See Transfer Notes for possible substitutes
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (9 hrs)
   - HIS 4150: History & Historians
   - 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)
(Must be taken within the History Department)
Select six hours of approved history courses within three of the four geographic regions
   - 18 hrs
   - 1. Asian, African, and Middle Eastern
   - 2. British and European
   - 3. Latin American
   - 4. U. S. and Canadian
   - Select three hours of approved history courses
   - 3 hrs
   - Students may substitute nine hours of 5000- or 6000-level course work for 5000- or 4000-level courses

5. Departmental Exit Requirements
   - Maintain a minimum GPA of 3.5 in upper division required courses attempted
   - Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers
   - Students must complete at least 18 of the required 36 history hours at UCF
   - Computer competency met by completion of the major

6. Foreign Language Requirements 0-8 hrs
Admission: Met by graduation requirement
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

7. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements - BA
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in 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

Overall History MA Requirements (36 hrs)*
*Nine hours of graduate work are earned in the senior year, in consultation with the history graduate director.

1. Required Graduate Courses (12 hrs)
   - HIS 6159: Historiography
   - HIS 6905: Capstone Course
   - HIS 6971: Thesis

2. Courses in Area of Concentration (18 hrs)
Assumes that nine additional hours of graduate courses were taken during the senior year.

3. Outside Area of Concentration in History (6 hrs)

4. Foreign Language Requirement
Students will also be expected to demonstrate reading competency in one foreign language. The foreign language competence must be completed one semester prior to the thesis defense.

5. Examination Requirements
Each candidate for the M.A. in History must pass written examinations in two fields upon conclusion of regular course work and before beginning a thesis. These examinations must be taken and passed as part of the requirements for the Capstone course. Each student will also submit a thesis prospectus and preliminary bibliography, which the three members of the student’s thesis committee judge acceptable as the preliminary step to beginning the thesis.

Minimum Hours Required for M.A. - 36 Semester Hours (nine hours of which also count toward the B.A. degree)
Related Programs: Humanities
Related Minors: African-American Studies, American Studies, Asian Studies, History, Humanities, Judaic Studies, Latin American Area Studies, Middle Eastern Studies, Women’s Studies
Transfer Notes:
   - Courses taken at community colleges do not substitute for upper division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
   - AMH 2010* & 2020*: may use any two introductory courses with an AMH, EUH, LAH, ASH, HIS or WOH prefix. However AMH 2010 and 2020 are prerequisites for all subsequent American history courses and will need to be taken for the major.

INDUSTRIAL ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.I.E./M.S.I.E.)
College of Engineering and Computer Science
Industrial Engineering and Management Systems Department
ENG2 312, 407-823-2204; Fax: 407-823-3413
http://www.iems.ucf.edu

Admission Guidelines
   - See Common Program Prerequisites
   - Qualified students may apply after completion of a minimum of 60 credit hours
   - Completion of the GRE with a highly competitive score by the end of first semester of the junior year
   - Admission is not automatic. Interested students may need to be interviewed.

1. UCF General Education Program (36+2 hrs)
(See Industrial Engineering major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP’s) (19 hrs)
(See Industrial Engineering major in the Catalog for the CPP requirements)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Courses Required for the Industrial Engineering Core (17 hrs)
(See Industrial Engineering major in the Catalog for a listing of Industrial Engineering core requirements)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.
### 4. Courses Required for the Major (43 hrs)

The Industrial Engineering and Management Systems department requires all students within the major to achieve a 2.0 GPA or better in each course listed in sections 4., 5., and 6. Graduate courses (*) used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C Intro to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C Engineering Concepts &amp; Methods</td>
<td>1 hr</td>
</tr>
<tr>
<td>COP 3223 Introduction to C Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3310 Engineering Analysis - Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321 Engineering Analysis - Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3358 Thermo-Fluids-Heat Transfer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or EGN 3343 Thermodynamics</td>
<td></td>
</tr>
<tr>
<td>EGN 3373 Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4517 Systems Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4642C IE Applications of Computers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4233C Human Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4333C Industrial Control Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4364C Industrial Planning &amp; Design</td>
<td>3 hrs</td>
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<tr>
<td>EIN 4331C Manufacturing Engineering</td>
<td>3 hrs</td>
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<tr>
<td>ESI 4321 Empirical Methods for IE</td>
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<tr>
<td>ESI 4234 Quality Engineering</td>
<td>3 hrs</td>
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<tr>
<td>ESI 5200 Operations Research</td>
<td>3 hrs</td>
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<tr>
<td>ESI 5531 Discrete Simulation</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td>EME 4221E Mechanical Systems Exp. Tech.</td>
<td>2 hrs</td>
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<tr>
<td>EML 4145 Topics in Heat Transfer</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EML 4304C Thermo-fluids Measurements</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EML 3990 ME Career/Academic Faculty Advising I</td>
<td>0 hrs</td>
</tr>
<tr>
<td>EML 5532C Computer-Aided Design for Manufacture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4220 Vibration Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3034C  Modeling Methods in MMAE</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3033C Mechanical Engr. Measurements</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3032C Feedback Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3050  Machine Design &amp; Analysis</td>
<td>3 hrs</td>
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<tr>
<td>EML 3601  Solid Mechanics</td>
<td>3 hrs</td>
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<tr>
<td>EML 3701  Fluid Mechanics I</td>
<td>3 hrs</td>
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<tr>
<td>EML 4142  Heat Transfer</td>
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<td>EML 4220  Vibration Analysis</td>
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<tr>
<td>EML 5532C Computer-Aided Design for Manufacture</td>
<td>3 hrs</td>
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<tr>
<td>EML 5990  ME Career/Academic Faculty Advising I</td>
<td>0 hrs</td>
</tr>
<tr>
<td>EML 4991  ME Career/Academic Faculty Advising II</td>
<td>0 hrs</td>
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### 5. Approved 5000 or 6000 level Technical Elective (5 hrs)

Technical electives should be taken at the 5000 or 6000 level and are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EGN 4235C Principles of Cost Engineering</td>
<td>3 hrs</td>
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<tr>
<td>EIN 4516C Systems Analysis &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4891C IE Senior Design Project</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECL 3202  Introduction to IE &amp; MS</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EML 3034C  Modeling Methods in MMAE</td>
<td>3 hrs</td>
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<tr>
<td>EML 3033C Mechanical Engr. Measurements</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Departmental Graduation Requirements (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4516C Systems Analysis &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4891C IE Senior Design Project</td>
<td>3 hrs</td>
</tr>
</tbody>
</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 Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 45 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

### 9. Shared B.S.I.E./M.S.I.E.

Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Industrial Engineering and Management Systems department for a list of acceptable courses.

### 10. Areas of Study M.S.I.E.

Students must complete all requirements within the masters program that they are admitted to. See the list below for possible options. Detailed information regarding course and graduation requirements can be located in the Graduate Catalog. Students have an end of program option of (1) Thesis or (2) non thesis (see Graduate Catalog for a detailed description of these options).
Accelerated Undergraduate-Graduate Programs

b. Mechanical Systems Option
EML 4304C Thermo-fluids Measurements 2 hrs
EML 3262 Kinematics of Mechanisms 3 hrs
EGM 3601L Solid Mechanics Lab 2 hrs
EML 422C Mechanical Systems Exp. Tech. 2 hrs
Approved Electives 12 hrs

c. Materials Option
EMA 3012C Experimental Techniques in Mech & Materials 3 hrs
EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs
EMA 3124 Design and Selection of Materials 3 hrs
EMA 4223 Fundamentals of Mech. Behavior of Materials 3 hrs
Approved Electives 9 hrs

4. Approved Technical Electives
Technical electives should be taken at the 5000 or 6000 level and are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

5. Departmental Graduation Requirements (6 hrs)
EML 4501C Engineering Design I 3 hrs
or EGN 4412C Interdisciplinary Design I 3 hrs
EML 4502C Engineering Design II 3 hrs
or EGN 4413C Interdisciplinary Design II 3 hrs
CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. University Minimum Graduation Requirements
■ A 2.0 UCF GPA.
■ 60 semester hours earned after any CLEP award.
■ 48 semester hours of upper division credit completed.
■ 30 of the last 36 hours of course work must be completed in residency at UCF.
■ 25% of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
■ Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required (B.S.M.E.) 128 hrs

8. Shared B.S.M.E./M.S.M.E., M.S.M.S.E. or M.S.A.E. 12 hrs
Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

9. Areas of Study M.S.M.E., M.S.M.S.E., or M.S.A.E. 18 hrs
Students must complete all requirements within the masters program that they are admitted to. See the list below for possible options.
Detailed information regarding course and graduation requirements can be located in the Graduate Catalog. Students have an end of program option of (1) Thesis or (2) non thesis (see Graduate Catalog for a detailed description of these options).
Computer–Aided Mechanical Engineering Track
Mechanical Systems Track
Miniature Engineering Systems Track
Professional Track
Space Systems Design and Engineering Track
Thermofluid Aerodynamic Systems Design and Engineering Track
Thermofluids Track
Total Semester hours (B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E.) 146 hrs

The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSME, MSMS, or MSAE will be awarded on completion of the total program of study.

The following will be waived for this joint degree program
■ The limit of nine hours to be shared between undergraduate and graduate programs.
■ Undergraduate students taking graduate courses must be within nine hours of graduation.
■ Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
■ Undergraduate students are not eligible to take 6000-level courses.

Equipment Fee
Full-time Student .......................................................... $90 per term
Part-time Student ......................................................... $45 per term

MOLECULAR BIOLOGY AND MICROBIOLOGY - UCF/USF Accelerated Medical School Program (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
HPA2 335, 407-823-5932
http://www.blomed.ucf.edu
Chair: P.E. Kolattukudy

Students seeking admission to University of South Florida College of Medicine [USFCOM] through the accelerated program will meet all 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.
■ Grades below a C- (1.75) in the life sciences will not be accepted for students who decelerate.

1. UCF General Education Program (36+3 hrs)
(Note: Certain courses must be selected in the GEP for this major, bringing total GEP hours to more than 36.)
A. Communication Foundations 9 hrs
Select ENC 1101H Honors Fr Composition I
Select ENC 1102H Honors Fr Composition II
B. Cultural Historical Foundations 9 hrs
Prefer SPC 1603H Honors Fund. Tech Presentations
C. Mathematical Foundations 4 hrs
Select MAC 2311
Select STA 2023
D. Social Foundations 6 hrs
Select STA 2023
E. Science Foundations 4 hrs
Select BSC 2010C Biology I
Select ChM 2045C Chemistry Fundamentals I

2. Common Program Prerequisites (16 hrs)
BSC 2010C Biology I GEP
BSC 2011C* Biology II GEP
CHM 2045C**, 2046, Chemistry Fundamentals I, II, + Lab 2046L GEP, 4 hrs
CHM 2210, 2211, Organic Chemistry I, II, + Lab 2211L 8 hrs
MAC 2311 Calculus with Analytical Geometry I GEP

*See Transfer Notes for possible substitutes
See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
To be eligible for a major in Molecular Biology and Microbiology:

6. Departmental Exit Requirements

To be eligible for a major in Molecular Biology and Microbiology:

- For decelerated program, the student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- For accelerated program the degree is awarded after successful completion of first year USF Medical School program.

7. Electives: none

8. Foreign Language Requirements (0-8 hrs)

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed at UCF and/or USF

Equipment Fee

- Full-time Student: $78 per term
- Part-time Student: $39 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101H</td>
<td>3</td>
<td>ENC 1102H</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012H or SYG 2000</td>
<td>3</td>
<td>STA 2023</td>
<td>3</td>
</tr>
<tr>
<td>or ANT 2000H</td>
<td>3</td>
<td>CHM 2046</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>4</td>
<td>CHM 2046L</td>
<td>1</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>4</td>
<td>MAC 2311</td>
<td>4</td>
</tr>
<tr>
<td>IDH 1921H</td>
<td>1</td>
<td>SLS 2311C</td>
<td>2</td>
</tr>
</tbody>
</table>

Summer: 8 hrs

PCB 3703C 4
ZOO 3733C 4

Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>16 hrs</th>
<th>Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210</td>
<td>3</td>
<td>CHM 2211</td>
<td>3</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>5</td>
<td>CHM 2211L</td>
<td>2</td>
</tr>
<tr>
<td>PHI 4633H or PAF 3753H</td>
<td>3</td>
<td>PHI 2054C or PHY 2049, 2049L</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2053C or PHY 2048, 248L</td>
<td>4</td>
<td>BSC 3403C</td>
<td>4</td>
</tr>
<tr>
<td>MCB 4941</td>
<td>1</td>
<td>SFC 1603H</td>
<td>3</td>
</tr>
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</table>

Summer: 0 hrs

MCAT Prep Exam

Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>16 hrs</th>
<th>Spring</th>
<th>16 hrs</th>
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</thead>
<tbody>
<tr>
<td>PCB 3522</td>
<td>3</td>
<td>PCB 4524</td>
<td>3</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>3</td>
<td>PCB 4239, 3233L</td>
<td>4</td>
</tr>
<tr>
<td>ENC 3241/ENC 3241H</td>
<td>3</td>
<td>Cultural/Historical</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2011C**</td>
<td>4</td>
<td>EOC 2013 or POS 2041</td>
<td>3</td>
</tr>
</tbody>
</table>

Summer: 3 hrs

MCB 4912 3

NURSING ACCELERATED SECOND DEGREE

C. BACHELOR OF SCIENCE IN NURSING (BSN) OPTION

(For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university)

College of Nursing

HPA 220, 407-823-2744

http://www.nursing.ucf.edu

E-mail: ucfnurse@mail.ucf.edu

Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig; Undergraduate Coordinator: Patricia Leli

Admission Requirements

Limited Access

Acceptance to the university does not constitute admission to the upper division nursing program.

- Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year admission is sought. For application deadlines, please visit http://www.nursing.ucf.edu/

- Application to the university must also be submitted by the program deadline.

- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.

- Students who have attended the UCF as degree seeking undergraduate students should apply through the Registrar's Office. These students complete the "Readmission Application" form.

- Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.

- All applicants must have a minimum overall GPA of 3.0.

- At least seven of the nine required prerequisites
Accelerated Undergraduate-Graduate Programs

(Chemistry and Lab, at least 2 additional courses from Group A and the remainder from Group B) must be completed by the application deadline.

*Chemistry with Lab (required with grade of B- or better)

**Group A (grade of B- or better)**
- *Microbiology with Lab
- *Anatomy with Lab
- *Physiology with Lab (or A&P I, II)

**Group B (grade of C or better)**
- *Sociology
- *Psychology
- *Developmental psychology
- *Nutrition
- *Statistics

- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- All applicants must complete a mandatory accelerated second degree program information session, online or in person, prior to submitting the application.
- Graduates are eligible to take the licensing examination for registered nurses (NCLEX-RN). The program is accredited by the Commission of Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
- UCF Residency requirement: 30 hours (if applicable).
- Any variation from the stated prerequisite must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

1. UCF General Education Program  

   **2. Common Program Prerequisites** *(31 hrs)*

   - **PSY 2012** General Psychology 3 hrs
   - **SYG 2000** Sociology 3 hrs
   - **MCB 2004C** Health Microbiology (S***) 4 hrs
   - **CHM 1032/L** General Chemistry and Lab* (S***) 4 hrs
   - **ZOO 3703C** Human Anatomy** (S***) 4 hrs
   - **PCB 3703C** Human Physiology** (S***) 4 hrs
   - **STA 2014C** Principles of Statistics 3 hrs
   - **or 2023**
   - **SOW 3104** Assessing Human Development 3 hrs
   - **or DEP 2004** Developmental Psychology
   - **HUN 3011** Human Nutrition 3 hrs

   *A general chemistry course (3 hr) covering organic/inorganic chemistry and a chemistry lab (1 hr).
   **May take Anatomy and Physiology I, II sequence of six-eight total credits.
   ***S indicates a science prerequisite.

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements *(57-62 hrs)*

   - **NUR 3085** Health Assessment 2 hrs
   - **NUR 3085L** Health Assess Lab 1 hr
   - **NUR 3825** Role of Professional Nurse 2 hrs
   - **NUR 3028** Essentials of Nursing Practice 2 hrs
   - **NUR 3028L** Essentials of Nursing Practice Lab 1 hr
   - **NUR 3755L** Essentials of Nursing Practice Clinical 2 hrs
   - **NUR 3634** Community Health Nursing 3 hrs
   - **NUR 3634L** Community Health Nursing Clinical 2 hrs
   - **NUR 3125** Pathophysiology for Nurses 3 hrs
   - **NUR 3145** Pharmacology for Nurses 3 hrs
   - **NUR 3225** Nursing Care of the Adult I 3 hrs
   - **NUR 3225L** Nursing Care of the Adult I Clinical 2 hrs
   - **NUR 3445** Nursing Care of Families 3 hrs
   - **NUR 3445L** Nursing Care of Families Clinical 2 hrs
   - **NUR 3167** Accelerated Nursing Research Seminar 1 hr*
   - **NUR 4227** Nursing Care of the Adult II 4 hrs
   - **NUR 4227L** Nursing Care of the Adult II Clinical 3 hrs
   - **NUR 4535** Psychiatric Mental Health Nursing 3 hrs
   - **NUR 4535L** Psychiatric Mental Health Nursing Clinical 2 hrs

   - **NUR 4829** Transition to Professional Practice As a Leader 3 hrs
   - **NUR 4257** Introduction to Critical Care Nursing 3 hrs
   - **NUR 4637** Public Health Nursing 2 hrs
   - **NUR 4637L** Public Health Nursing Clinical 1 hr
   - **NUR 4945L** Nursing Practicum 4 hrs
   - **NUR 40XX** Nursing Elective 3 hrs**

   **Any variation from the above must be approved by the College of Nursing.
   **Students without a research course on transcript must take NUR 3167 (3 hrs)
   **Students may petition to waive elective requirement.

4. Upper Division Restricted Electives *(3 hrs)*

   Nursing Elective: Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

5. Department Continuation and Exit Requirements

   Completion of all courses in major with a grade of “C” (2.0) or better
   - UCF GPA of 2.5 or above
   - College of Nursing GPA of 2.5 or above

6. Electives none

7. Foreign Language requirements

   Admission: none
   Graduation: none

8. University Minimum Exit Requirements

   - A 2.0 UCF GPA
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF

   **Total Semester Hours Required for 2nd Degree BSN** 56 hrs

   Related Programs: Health Services Administration, Social Work, all health programs

   Related Minors: Aging Studies, Psychology, Health Sciences, Health Services Administration

   **Transfer Notes:** Examples of Community College Equivalent Courses

   **Prerequisites**

   - General Psychology (PSY X012) or any General Psychology course 3
   - General Sociology (SYG 2000) or any Intro to Sociology course 3
   - Statistics (STA 2014C or 2023) or any Statistics course 3
   - General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab)* (S***) 4
   - Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086) (S*) 6-8
   - General Microbiology (MBC 3020C) (MBC X010C) w/lab or any Microbiology course w/lab (S***) 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 (ie CHM 1045, 2045, Chemistry I).
   ***S indicates a biological science prerequisite.

   **Honors**

   University Honors and Honors in the Major Available

   **Program Academic Learning Compacts**

   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oed.ucf.edu/alc/academic_learning_compacts.htm

   **Equipment Fee**

   - Full-time Student ........................................ $50 per term
   - Part-time Student ........................................ $25 per term

   **Tentative Course Schedule**

   **Summer** 15 hrs Fall 16 hrs

   - **NUR 3825** 2 NUR 3125 3
   - **NUR 3065** 2 NUR 3145 3
   - **NUR 3065L** 1 NUR 3225 3
   - **NUR 3028** 2 NUR 3225L 2
   - **NUR 3028L** 1 NUR 3445 3
   - **NUR 3755L** 2 NUR 3445L 2
   - **NUR 3634** 3
   - **NUR 3634L** 2

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Degree Requirements

The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements.

The MSN is awarded after program completion.

The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.

An individualized plan of study is developed for each student admitted to the RN to MSN option.

NURSING (B.S.N.)

D. RN TO MSN OPTION

College of Nursing

HPA 220, 407-823-2744, E-mail: ucnurse@mail.ucf.edu http://www.nursing.ucf.edu/  
Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig;  
Associate Dean Graduate: Jean Kijek; RN to MSN Coordinator:  
Barbara Lange

An accelerated program for students who hold an RN license and meet general education requirements, pre-requisites, required GPA and GRE score.

Available for all tracks in the graduate program. Nursing Leadership and Management, Family Nurse Practitioner, Adult Nurse Practitioner, Pediatric Nurse Practitioner, Clinical Nurse Leader, Nurse Educator, and Clinical Nurse Specialist. (See UCF Graduate Catalog for current offerings.) Nine (9) to twelve (12) graduate credit hours may be applied toward meeting requirements of both BSN and MSN programs.

Admission Requirements

Acceptance to the university does not constitute admission to the RN to MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our Web site at http://www.nursing.ucf.edu for application materials. All applicants must meet the following criteria:

- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida community college, including CLAST (or exempt)
- Completion of prerequisites for the RN to BSN nursing program
- Minimum cumulative GPA of 3.0. (all prior college coursework) A minimum combined GRE score of 900 on the verbal/quantitative exams.
- Admitted to UCF undergraduate program
- Two professional references addressing qualifications and ability to succeed in graduate school
- Resume
- Letter of Intent/Goal statement

Interim Requirements:

Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Nursing Phase: (To be met one semester before the BSN is awarded)

- Application to and acceptance by the UCF Office of Graduate Studies (see Graduate Studies Web site for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0
- An updated resume

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college or other universities.
- UCF Residency Requirement: 30 hours.

Other

*Students without a research course on transcript must take NUR 3165

**Students may petition to waive elective requirements.

Accelerated Undergraduate-Graduate Programs

UCF General Education Program

<table>
<thead>
<tr>
<th>1. UCF General Education Program</th>
<th>(36+1 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>1. ENC 1101 &amp; ENC 1102</td>
<td></td>
</tr>
<tr>
<td>2. Prefer SPC 1508</td>
<td></td>
</tr>
<tr>
<td>B. Cultural Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>1. Prefer MAC 1105</td>
<td></td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>1. Select STA 2014C</td>
<td></td>
</tr>
<tr>
<td>2. Select one: ECO 2013, or ECO 2023, or POS 2041</td>
<td></td>
</tr>
<tr>
<td>E. Science Foundations**:</td>
<td>7 hrs</td>
</tr>
<tr>
<td>Select BSC 2101C (4)</td>
<td></td>
</tr>
<tr>
<td>Select CHM 1032 (3)</td>
<td></td>
</tr>
</tbody>
</table>

*One of these courses is required to meet General Education requirements, but both are required nursing program prerequisites.

**Science Foundation is 6 credit hours for General Education Program; however the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

Common Program Prerequisites

<table>
<thead>
<tr>
<th>2. Common Program Prerequisites</th>
<th>21 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. An introduction to Health Sciences</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td></td>
</tr>
<tr>
<td>B. An introduction to Psychology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td></td>
</tr>
<tr>
<td>C. An introduction to Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td></td>
</tr>
<tr>
<td>D. An introduction to Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td></td>
</tr>
<tr>
<td>E. An introduction to Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td></td>
</tr>
</tbody>
</table>

*May take Anatomy and Physiology sequence of six-eight total credits.

Also meets General Education Requirements;

Applicants should see a UCF Nursing Advisor for possible course substitutions. See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Core Requirements

<table>
<thead>
<tr>
<th>3. Core Requirements</th>
<th>(30 hrs)</th>
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<tbody>
<tr>
<td>UCF Upper Division Requirements</td>
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</tr>
<tr>
<td>NUR 3805</td>
<td>Dimensions of Professional Nursing Practice</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
</tr>
<tr>
<td>NUR 3634</td>
<td>Community Health Nursing</td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, &amp; Econ</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Public Health Nursing</td>
</tr>
<tr>
<td>NUR 4604L</td>
<td>Practicum in Community and Public Health</td>
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<tr>
<td>NUR 4604L</td>
<td>Practicum in Community and Public Health</td>
</tr>
<tr>
<td>NUR 4604L</td>
<td>Practicum in Community and Public Health</td>
</tr>
</tbody>
</table>

Students in the Nurse Educator/Clinical Nurse Leader, and Nurse Practitioner tracks take the following (12 credits) (nine graduate credits also applied to MSN)

NUR 5003            | 2 hrs |
| NUR 5003L          | 1 hr  |
| NUR 5003L          | 1 hr  |
| NUR 5141           | 3 hrs |
| NUR 5141           | 3 hrs |
| NUR 5800           | 3 hrs |
| NUR 5800           | 3 hrs |
| NUR 3065           | 2 hrs |
| NUR 3065L          | 1 hr  |

Students in the Clinical Nurse Specialist Track take the following (12 credits) (twelve graduate credits also applied to MSN)

NUR 5003            | 2 hrs |
<p>| NUR 5003L          | 1 hr  |
| NUR 5720           | 3 hrs |
| NUR 5720           | 3 hrs |
| NUR 5800           | 3 hrs |
| NUR 5800           | 3 hrs |
| NUR 3065           | 2 hrs |
| NUR 3065L          | 1 hr  |</p>
<table>
<thead>
<tr>
<th>Upper Division Credit*</th>
<th>(27 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3028 Essentials of Nursing Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3028L Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3755L Essentials of Nursing Practice Clinical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225 Nursing Care of the Adult I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L Nursing Care of the Adult I Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445 Nursing Care of Families</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3445L Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4227 Nursing Care of the Adult II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L Nursing Care of the Adult II Clinical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535 Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L Psychiatric Mental Health Nursing Clinical</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

*May be met by validation

4. Upper Division Restricted Elective none

5. Departmental Exit Requirements
Completion of all courses in major with a grade of “B” (3.0) or better
■ Cumulative GPA of 2.5 or above
■ College of Nursing GPA of 2.5 or above

6. Electives
Variable to meet degree requirements.

7. Foreign Language Requirements (0-8 hrs)
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).

Graduation: none

8. University Minimum Exit Requirements
(For students exiting upon earning BSN.)
■ A 2.0 UCF GPA and 2.5 Nursing Major GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 36 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
■ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required BSN 120 hrs

Related Programs: Health Services Administration, all health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

Equipment Fee
■ Full-time Student ............................................ $90 per term
■ Part-time Student ........................................... $45 per term

Accelerated Undergraduate-Graduate Programs
STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

The University offers eight specialized degree programs for students who have graduated from a Florida Community College with an A.S. degree in one of the following eight programs: Applied Science, Criminal Justice Technology, Electronics Engineering Technology, Business Administration, Hospitality Management, Computer Engineering Technology - Network Specialization, Nursing, and Radiography.

Students who wish to transfer to UCF under the provisions of the statewide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice or Computer Engineering Technology) from a Florida public community college.

2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 community college A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community college and then transfer into the appropriate non-A.S. to B.S. program at UCF.

3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.

4. Students should write on the front of their application for admission to UCF, “A.S. - B.A./B.S.” or select the appropriate major on the online application, designating their desire to participate in the articulation agreement.

5. Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.

6. Students with Associate in Applied Science (AAS) degrees are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

Applicants who qualify for this program are not guaranteed admission to the limited access programs in Nursing and Radiologic Sciences or programs that require specific grades in particular courses for admission.

Students should consult with their community college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites.

Students are still required to complete all of the components of the Gordon Rule and CLAST prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. The total hours required for the General Education Program (GEP) will be 36 hours, excluding any necessary remediation.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department or the Director of Transfer Services, (407) 823-2231.

APPLIED SCIENCE (B.A.S.)
A.S. to B.A.S.

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

Regional Campuses Administrative Offices
12201 Research Parkway, Suite 101
407-823-4547
http://www.regionalcampuses.ucf.edu/

Director of Regional Campuses Advising: Helen Hill, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making.

Students are allowed to take lower level, general education classes at the main campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 36 hours at UCF.

If students wish to take an upper division course at the main Orlando campus they should see a Regional Campuses’ academic advisor. This will be allowed only on a very limited basis and under highly extenuating circumstances. If you have any questions regarding this policy or procedure, please contact the Director of Regional Campuses Advising at 407-823-4547.

Applied Science (B.A.S.) - A.S. to B.A.S.

1. UCF General Education Program

(36 hrs total)

Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:

A. Communication Foundations 9 hrs
B. Cultural 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

(10-11 hrs)

or

BUL 3130 Legal & Ethical Environment for Business 4 hrs
or

PLA 3013 Law and the Legal System 3 hrs
MAN 3025 Management of Organizations 4 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
or

ENC 3250 Professional Writing 3 hrs

4. Area of Concentration (Choose one)

All tracks are not available at all locations.

A. Supervision and Administration Track:

(20 hrs)

INP 3004 Industrial/Organizational Psychology 3 hrs
ISM 3011C Management Information Systems (PR: CGS 1060C or CGS 2100C) 4 hrs
MAR 3023 Marketing Management (PR: MAC 1105) 4 hrs
MAN 3302 Essentials of Human Resource Management for Non-business majors 3 hrs
MAN 3354 Employee Training for Non-business Majors 3 hrs
ACG 3062 Accounting for Non-business majors 3 hrs

B. Industrial Operations Track:

(21 hrs)

ETI 3116 Applied Quality Assurance 3 hrs
ETI 3671 Technical Economics (PR: MAC 1105) 3 hrs
ETI 4186 Applied Reliability 3 hrs
ETI 4635 Technical Administration 3 hrs
ETI 4640 Operations Management for Technologists 3 hrs
ETI 4648 Applied Project Management 3 hrs
ETI 3010 Introduction to Information Technology (PR: MAC 1105) 3 hrs

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Statewide Articulated A.S. To B.S. Programs

C. Criminal Justice Track: (18 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs
Choose two from the courses listed below: 6 hrs
- CCL 3510 Prosecution and Adjudication (3 hrs)
- CJC 3010 The Corrections and Penology (3 hrs)
- CJE 4014 Police and Society (3 hrs)
Six additional semester hours of CCJ, CJC, CJE, CCL, or CJT courses; Selected with the aid of an academic advisor

D. Legal Studies Track: (18 hrs)
- PLA 3015 Law and the Legal System 3 hrs
- PLA 3014 Legal Research 3 hrs
Choose four from the courses listed below: 12 hrs
- PLA 3155 Legal Writing (3 hrs)
- PLA 3201 Civil Practice and Procedure (3 hrs)
- PLA 3273 Law of Torts (3 hrs)
- PLA 3308 Criminal Procedure (3 hrs)
- PLA 4423 The Law of Contracts (3 hrs)
- PLA 4700 Professional Ethics and Liability (3 hrs)

E. Health Services Administration Track: (18 hrs)
- HSA 3111 U.S. Health Care Systems (HSA 3111 is a prerequisite class for all of the following classes) 3 hrs
- HSC 4201 Community Health Services 3 hrs
- HSA 4180 Organization and Management for Health Agencies 3 hrs
- HSA 4191 Health Care Automation (PR: CGS 2100C) 3 hrs
- HSC 4500 Epidemiology (PR: STA 2014C or STA 2023) 3 hrs
Choose One:
- HSC 4652 Health Law and Ethics or
- HSA 4199 Managed Care or
- HSA 4502 Risk Management or
- HIM 4506C Quality Management or
- HSA 4702 Health Science Research Methods

F. Information Technology Track: (21 hrs)
Students are strongly urged to complete STA 2023 within the general education program.
- CET 3010 Introduction to Information Technology (PR: MAC 1105) 3 hrs
- CET 2364 System Applications in C (PR: MAC 1105) 3 hrs
- CET 3679 Introduction to Telephony 3 hrs
- CET 3393 System Analysis 1 3 hrs
- CET 4427 Applied Database 1 3 hrs
- CET 4505 Applied Operating Systems 1 3 hrs
- ETI 4448 Project Management 3 hrs

G. Early Childhood Education Track: (21 hrs)
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children (PR: EEC 3700) 3 hrs
- EEX 4751 Parent Involvement 3 hrs
- TSL 4080 Theory and Practice of Teaching ESL 3 hrs
- EEX 4350 Young Children with Special Needs 3 hrs

5. Modern Language Requirement (0-8 hrs)

Admission Requirements
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation:
- none

University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 42 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required 120 hrs

Transfer Notes
- Students must adopt the most current catalog.
- The courses designated in section 1 below may be taken at a Florida Community College.
- Students must earn a minimum 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (36 hrs)
Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
- Communication Foundations
- Cultural Historical Foundations
- Mathematical Foundations
- Social Foundations
- Science Foundations

2. Common Program Prerequisites
Completed as part of the approved A.S. program

3. Core Requirements (18 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CCL 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

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

CRIMINAL JUSTICE (B.S.)
A.S. to B.S. TRACK
(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311, 407-823-2603
http://www.coehpa.ucf.edu/crim.jus/
E-mail: cjadvice@mail.ucf.edu

Undergraduate Program Director: Mary Ann Eastep

Admission Requirements
Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- The courses designated in section 1 below may be taken at a Florida Community College.
- Students must earn a minimum 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (36 hrs)
Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
- Communication Foundations
- Cultural Historical Foundations
- Mathematical Foundations
- Social Foundations
- Science Foundations

2. Common Program Prerequisites
Completed as part of the approved A.S. program

3. Core Requirements (18 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CCL 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

University of Central Florida 2009-2010 Undergraduate Catalog
Statewide Articulated A.S. To B.S. Programs

**Electrical Engineering Technology (BSET) A.S. to B.S.E.E.T. CONCENTRATION**

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Engineering and Computer Science

Ent Department ENGR 207, 407-823-4749; Fax: 407-823-4746

http://www.ent.ucf.edu

Coordinator: Alireza Rahrooh, E-mail: rahrooh@mail.ucf.edu

**Admission Requirements**

Completion of a Statewide Articulated A.S. in Electrical Engineering Technology from a Florida public community college which is composed of 68 hours of course work, including at least 22 hours of transferable General Education courses.

**Degree Requirements**

- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. **UCF General Education Program** (14 hrs)

   - A. Communication Foundations
   - B. Cultural and Historical Foundations
   - C. Mathematical Foundations
     - 1. Select MAC 2311 or MAC 2253
   - D. Social Foundations
   - E. Science Foundations
     - 1. Select PHY 2048 and PHY 2048L or PHY 2053C

   **Note:** See PHY component under Section 2.

2. **Common Program Prerequisites (CPP)** (4 hrs)

   - (C (2.0) 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

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. **Engineering Technology Core Requirements** (22 hrs)

   - (C (2.0) or better grades are required in all courses)
   - MAC 2311 Technical Economic Analysis
   - ETC 3116 Engineering Quality Assurance
   - ENC 3241 Technical Report Writing
   - PHY 2049 and PHY 2048L or PHY 2054C
   - STA 2023 Statistical Methods I

4. **Upper Division Required Courses** (23 hrs)

   - Select four hours from the following:
     - CET 345C Applied Microprocessor Technology
     - CET 438C Digital Programmable Devices
     - CET 433 Communication System Design
     - EST 3222 Intro to Photonics
     - ETG 4950C Senior Design Project

5. **Upper Level Technical Electives** (4 hrs)

   - Select four hours from the following:
     - CET 345C Applied Microprocessor Technology
     - CET 438C Digital Programmable Devices
     - CET 433 Communication System Design
     - EST 3222 Intro to Photonics
     - ETG 4950C Senior Design Project

6. **Departmental Exit Requirement** (3 hrs)

   - CET 4905C Senior Design Project

   **Graduation:** none

7. **Foreign Language Requirements** (0-8 hrs)

   - A 2.0 UCF GPA
   - A grade of 2.0 or better is required in all prerequisites.

8. **University Minimum Graduation Requirements**

   - 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: 134 hrs

**Related Programs:** Electrical Engineering Technology (Electrical Systems Concentration)

**Related Minors:** none

**Transfer Notes:**

- Students transferring from any Florida public institution with an A.A. or with the General Education Program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- ENT Departmental Residency Requirements consist of at least 33 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048/L can substitute for PHY 2053C.

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fee**

- Full-time Student ...........................................$90 per term
- Part-time Student ...........................................$45 per term
Statewide Articulated A.S. To B.S. Programs

**Junior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>13/14 hrs</th>
<th>Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2235 Applied Calc I or MAC 2311 Calc w/Analy Geom I</td>
<td>3/4</td>
<td>PHY 2054C/2049 w/ lab</td>
<td>4</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3</td>
<td>ETE 3542 Applied Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1608 Oral Communications</td>
<td>3</td>
<td>CET 3109C Digital Systems</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2053C/2048 Physics I</td>
<td>4</td>
<td>EET 3716 Network Analysis</td>
<td>3</td>
</tr>
<tr>
<td>Summer</td>
<td>6 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETL 3116 Appl Enq Quality Assur</td>
<td>3</td>
<td>Cultural/Historical Foundation</td>
<td>3</td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET 450C Power Systems</td>
<td>4</td>
<td>EET 4732C Feedback Control Sys</td>
<td>4</td>
</tr>
<tr>
<td>EET 415C Linear Inf CI</td>
<td>3</td>
<td>ETL 3971C Tech Economic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CET 2124 Microcomputer Tech 1</td>
<td>3</td>
<td>ETG 4950C Srn Design Project</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2312, 2254 or MAP 3401</td>
<td>4</td>
<td>ENC 3241 Writing Tech Pros</td>
<td>3</td>
</tr>
<tr>
<td>Summer</td>
<td>10 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CET 4333 Comp Org &amp; Design</td>
<td>3</td>
<td>Upper level elective</td>
<td>4</td>
</tr>
<tr>
<td>CET 4134C Microprocessor Elec II</td>
<td>3</td>
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</tbody>
</table>

**GENERAL BUSINESS (B.B.S.A.)**

**A.S. to B.S. TRACK**

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

**College of Business Administration**

BA2 101, 407-823-2184

http://www.bus.ucf.edu

Not eligible for a double degree with another College of Business Administration major

Faculty Advisor: Undergraduate Student Service, BA2 101, 407-823-2184

**Admission Requirements**

Completion of a Statewide Articulated A.S. in Business Administration from a Florida public community college which is composed of 64 hours of course work, including at least 24 hours of transferable General Education courses.

**Degree Requirements**

1. UCF General Education Program (12 hrs)

Students will complete 12 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and may come from the following areas:

- A. Communication Foundations - Preferred: SPC 1608
- B. Cultural and Historical Foundations
- C. Mathematical Foundations
- D. Social Foundations
- E. Science Foundation

2. Common Program Prerequisites (18-21 hrs)

Must be completed with a "C" (2.0) or better.

- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECA 2013 Macroeconomics 3 hrs
- ECO 2023 Microeconomics 3 hrs
- *ECO 3401 Quantitative Business Tools I 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs

*At UCF, students who have completed MAC 2333 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Classes (36 hrs)

First or subsequent semester in the College of Business Administration:

- GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
- GEB 3275 Introduction to International Business 4 hrs
- BUL 3130 Legal & Ethical Environments of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 4030C Business Finance 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- MAR 3023 Marketing 4 hrs

Last Semester:

- MAN 4720 Strategic Management 4 hrs

4. Special college and/or department requirements:

- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Students who change degree programs and select another major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB.
- Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied toward the major.

5. Second Level Core (5 courses):

Students must take one course from each of the following areas:

- Economics (must take ECP 4703), Finance, Management, Management Information Systems (MIS), and Marketing. These five courses are restricted to the courses listed below:

  **Finance**
  - FIN 3303 Financial Markets
  - FIN 3414 Intermediate Corporate Finance
  - FIN 3504 Investment Analysis

  **Management**
  - MÁN 3301 Management of Human Resources
  - MÁN 4240 Organizations: Theory and Behavior
  - MÁN 4441 Conflict Resolution and Negotiation
  - GEB 3113 How to Start a Business

  **Management Information Systems**
  - ISM 3253 MIS Techniques
  - ISM 4153C Enterprise Information Systems
  - ISM 4154 Enterprise Application Development

  **Marketing**
  - MAR 3613 Marketing Research & Analysis
  - MAR 3403 Sales Force Management
  - MAR 4841 Service Marketing
  - MAR 4156 International Marketing

  **Economics**
  - ECO 3223 Money and Banking
  - ECP 3203 Contemporary Labor Economics
  - ECP 4703 Managerial Economics

*ECP 4703 is required. ECP 3203 and ECO 3223 are restrictive electives only.

With permission of Economic advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restrictive elective. This substitution must be petitioned and have written approval.

6. 4000 Level Requirement:

At least two of the second level courses must be at the 4000 level.

7. A.S. Transfer Classes

Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

8. Foreign Language Requirements (0-8 hrs)

Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 80 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)
<table>
<thead>
<tr>
<th>Degree Requirements</th>
<th>1. UCF General Education Program (GEP) (18 hrs)</th>
<th>A. Communication Foundations</th>
<th>B. Cultural and Historical Foundations</th>
<th>C. Mathematical Foundations</th>
<th>D. Social Foundations</th>
<th>E. Science Foundation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>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:</td>
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<tr>
<td>Total Semester Hours Required</td>
<td>132 hrs</td>
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<tr>
<td>Transfer Notes</td>
<td>Courses taken at community colleges do not substitute for upper division courses. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation. Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of &quot;C&quot; (2.0) or higher transfer into the program and students must have a &quot;C&quot; (2.0) or better in each common program prerequisites class. ACG X001 and X011 will substitute for ACG 2021 at UCF Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra. Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors. Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.</td>
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<tr>
<td>Program Academic Learning Compacts</td>
<td>Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: <a href="http://www.oes.ucf.edu/aic/academic_learning_compacts.htm">http://www.oes.ucf.edu/aic/academic_learning_compacts.htm</a></td>
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<tr>
<td>Equipment Fee</td>
<td>Full-time Student ................................. $30 per term</td>
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<tr>
<td>Part-time Student ................................. $15 per term</td>
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<tr>
<td>Statewide Articulated A.S. To B.S. Programs</td>
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<tr>
<td>3. Hospitality Management Core</td>
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<tr>
<td>2. Common Program Prerequisites</td>
<td>(3 hrs)</td>
<td>HFT 1000 Introduction to Hospitality Management 3 hrs</td>
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<tr>
<td>See &quot;Common Prerequisites&quot; in the Transfer and Transitions Services section for more information.</td>
<td>(27 hrs)</td>
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<tr>
<td>4. Special School Requirements:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grades of &quot;C&quot;- (1.75) or below do not transfer into the Hospitality Management core or restricted electives.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Final exams will be given during Exam Week only.</td>
<td></td>
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</tr>
<tr>
<td>5. Restricted Electives</td>
<td>(15 hrs)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Generalist Track: Students must take 15 credit hours (five courses) of Hospitality Management courses in the Hospitality Management Specialized Tracks or the restrictive electives in other degree programs (see Restaurant and Food Service Management B.S. and/or Event Management B.S.) offered by the Rosen College. Please note: No more than 2 courses (6 credit hours) may be taken from any one track or degree program at the Rosen College of Hospitality Management to satisfy the restricted elective requirement. OR Specialized Tracks: Students must complete one of the six Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specialized Tracks -- Select one of the tracks below</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A. Vacation Ownership Resort Management Track --</td>
<td>15 hrs</td>
<td>HFT 4275 Development of Vacation Ownership Resorts 3 hrs</td>
<td>HFT 4274 Vacation Ownership Resort Management 3 hrs</td>
<td>HFT 4522 Vacation Ownership Resort Sales Tactics and Strategies 3 hrs</td>
<td>HFT 4442 Vacation Ownership Resort Reservations/ Data Base Systems 3 hrs</td>
<td>HFT 4343 Hospitality Facilities Planning &amp; Design 3 hrs</td>
</tr>
<tr>
<td>(5 Courses)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B. Theme Park and Attraction Mgmt Track --</td>
<td>15 hrs</td>
<td>HFT 4786 Managing the Guest Experience in Theme Parks and Attractions 3 hrs</td>
<td>HFT 4759 Product Development in Theme Parks and Attractions 3 hrs</td>
<td>HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry 3 hrs</td>
<td>HFT 4532 Managing the Employee Experience in Theme Parks and Attractions Industry 3 hrs</td>
<td>HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs</td>
</tr>
</tbody>
</table>
Statewide Articulated A.S. To B.S. Programs

INFORMATION SYSTEMS TECHNOLOGY (B.S.)
A.S. to B.S. TRACK
(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Engineering and Computer Science
Engineering Technology (ENT) Department
ENGR 207, 407-823-4748; Fax: 407-823-4746
http://www.ent.ucf.edu

Coordinator: Bahman Motlagh, E-mail: bmotlagh@mail.ucf.edu

Admission Requirements

Students will be admitted to the program with an Associate in Science degree in Computer Engineering Technology Network Specialization. Students admitted under this articulated agreement will be required to satisfy the General Education requirements either at UCF or the courses may be taken at a community college. When applying for admission students need to make sure they indicate on the application form AS-BS IST.

Degree Requirements

- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of “C” (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36 hrs)

Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S.

A. Communication Foundations
   - Communication Foundations
   - (nine hours completed in AS degree program)

B. Cultural and Historical Foundations
   - Cultural and Historical Foundations
   - (3 hrs taken in AS degree program)

C. Mathematical Foundations
   - Mathematical Foundations
   - MAC 1105 College Algebra
   - STA 2023 Statistical Methods I

D. Social Foundations
   - Social Foundations
   - 6 hrs

E. Science Foundations
   - Science Foundations
   - 6 hrs

2. Lower Level Required Courses (33 hrs)

   - 3 hrs
   - Lower level technical courses taken at Community College
   - 30 hrs

3. Information Systems Technology Core Courses (C (2.0) or better grade required in all courses) (26 hrs)

CET 3529 Linux/Unix System Admin and Applications
   - 3 hrs
CET 3010 Intro to Info Technology
   - 3 hrs
CET 2077 Statistical Methods I
   - GEP
MAC 1105 College Algebra
   - GEP
MAC 1114 College Trigonometry
   - 3 hrs
ETI 4448 Applied Prog Mgmt
   - 3 hrs
ETI 3241 Writing for the Technical Professional
   - 3 hrs
EET 3085C Electricity & Electronics or
   - 4 hrs
ETI 3086 Principles of Electrical Circuits
   - 3 hrs
CET 3115C Digital Technology
   - 4 hrs
CET 2364 Systems Applications in C
   - 3 hrs

4. Required Technical Courses (C (2.0) or better grade required in all courses) (21 hrs)

CET 4427 Applied Database I
   - 3 hrs
CET 3383 Applied Systems Analysis I
   - 3 hrs
CET 4505 Applied Operating Systems I
   - 3 hrs
CET 3679 Intro to Telephony
   - 3 hrs
CET 4483 Intro to Local Area Network
   - 3 hrs
CET 4333 Computer Organization & Design
   - 3 hrs
CET 4748 Wide Area Networks I
   - 3 hrs

5. Technical Electives (C (2.0) or better grade required in all courses) (12 hrs)

Choose four from the following:

CET 3198C Digital Systems
   - 3 hrs
CET 4138C Digital Programmable Devices
   - 3 hrs
CET 4931 Current Topics in Technology
   - 3 hrs
CET 4749 Wide Area Network II
   - 3 hrs
MAP 3401 Problem Analysis
   - 3 hrs
CET 4523 Applied Systems Analysis II
   - 3 hrs
CET 4429 Applied Database II
   - 3 hrs
CET 4583 Web Base Systems I
   - 3 hrs
CET 4584 Web Base Systems II
   - 3 hrs
CET 4663 Computer & Networks Security
   - 3 hrs
CET 4668 Practice of Information Security
   - 3 hrs
CET 4882 Network Defense Strategies
   - 3 hrs

Community College Transfer Notes

A 2.0 UCF GPA

42 semester hours of upper division credit completed

30 of the last 36 hours of course work must be completed in residence at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable)

Total Semester Hours Required 124 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

Full-time Student $75 per term
Part-time Student $37.50 per term

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.

2009-2010 Undergraduate Catalog

UNIVERSITY OF CENTRAL FLORIDA
Statewide Articulated A.S. To B.S. Programs

NURSING (B.S.N.)
E. AS TO BSN TRACK
(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Nursing
HPA 220, 407-823-2744
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu

Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig;
RN to BSN Coordinator: Barbara Lange

This program is available online. Students must complete all university-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrib.ucf.edu/home.

Admission Requirements
Limited Access
Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
- A minimum overall undergraduate GPA of 2.5
- Completion of a Statewide Articulated AS in Nursing from a Florida public community college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation December 2000 or later). Individuals who received AB prior to December 2000 or attended school other than a Florida public Community College should follow section “B” – RN to BSN Program.
- Current RN License or license eligible

Degree Requirements
- Completion of all common program prerequisite courses with at least a grade of “C” (2.0) or better in each course
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding prerequisite requirements
- The courses designated in sections 1 and 2 below may be taken at a Florida community college or other universities and should usually be completed in the first 60 hours
- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program
- UCF Residency Requirement: 32 hours

1. UCF General Education Program
(36+2 hrs)
Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses already completed.

Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college must complete those courses prior to their last 30 hours at UCF.

General Education Program for articulated AS-BS
(36-38 hrs)

<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>1. ENC 1101 &amp; ENC 1102</td>
<td></td>
</tr>
<tr>
<td>2. Prefer SPCH 1008</td>
<td></td>
</tr>
<tr>
<td>B. Cultural Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>1. Select MAC 1105</td>
<td></td>
</tr>
<tr>
<td>2. Select STA 2014C</td>
<td></td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>1. SYG 2000</td>
<td></td>
</tr>
<tr>
<td>2. PSY 2012</td>
<td></td>
</tr>
</tbody>
</table>

Tentative Course Schedule for Transferring Students

The tentative course schedule listed below is a guide for those students who plan on completing their upper division engineering technology degree requirements in two years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year

<table>
<thead>
<tr>
<th>Term</th>
<th>13 hrs</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EET 3090C Elect &amp; Electronics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 1114 College Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 3010 Intro to Info Tech</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 2364 Systems Apps in C</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>CET 4483 Local Area Network</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 3529 Linux/Unix Sys Admin</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 3115C Digital Tech</td>
<td>3</td>
</tr>
<tr>
<td>Summer</td>
<td>9 hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CET 3333 Comp Org &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENC 3241 Tech Rep Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ETI 444B Applied Proj Mgmt</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term</th>
<th>12 hrs</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>CET 4505 Appl Oper Sys I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 4477 Appl Database I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 3679 Intro to Telephony</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 4748 Wide Area Networks I</td>
<td>3</td>
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</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Term</th>
<th>12 hrs</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>CET 4505 Appl Oper Sys I</td>
<td>3</td>
</tr>
<tr>
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<td>CET 4477 Appl Database I</td>
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</tr>
<tr>
<td></td>
<td>CET 3679 Intro to Telephony</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 4748 Wide Area Networks I</td>
<td>3</td>
</tr>
</tbody>
</table>

Transfer Notes:
- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in the Catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- Upper Division Courses.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college or other universities and should usually be completed in the first 60 hours
- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program
- UCF Residency Requirement: 32 hours

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule for Transferring Students

The tentative course schedule listed below is a guide for those students who plan on completing their upper division engineering technology degree requirements in two years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year

<table>
<thead>
<tr>
<th>Term</th>
<th>13 hrs</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EET 3090C Elect &amp; Electronics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 1114 College Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 3010 Intro to Info Tech</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 2364 Systems Apps in C</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>CET 4483 Local Area Network</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 3529 Linux/Unix Sys Admin</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 3115C Digital Tech</td>
<td>3</td>
</tr>
<tr>
<td>Summer</td>
<td>9 hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CET 3333 Comp Org &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENC 3241 Tech Rep Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ETI 444B Applied Proj Mgmt</td>
<td>3</td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Term</th>
<th>12 hrs</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>CET 4505 Appl Oper Sys I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 4477 Appl Database I</td>
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<td></td>
<td>CET 3679 Intro to Telephony</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 4748 Wide Area Networks I</td>
<td>3</td>
</tr>
</tbody>
</table>

ETI 444B Security Methods and Practice 3 hrs
ETI 4485 Investigative Digital Technology 3 hrs
ETI 4489 Security Sensor Tech. & Biometrics 3 hrs
ETG 4950C Senior Design Project 3 hrs
ISM 3011C Essentials of Management Information Systems 3 hrs
ISM 4153C Enterprise Information Systems 3 hrs
ISM 4431 Business Process Analysis 3 hrs
ISM 4454 Enterprise Application Development 3 hrs
ISM 55219 Business Intelligence Systems 3 hrs

6. Departmental Exit Requirements

none

7. Foreign Language Requirements

(0-8 hrs)

Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

8. Approved Technical Electives
Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

9. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 128 hrs

Related Programs: none

Related Minors:
- Interdisciplinary Informatics Technology
- Security Computing and Networks

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

E. AS TO BSN TRACK
(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)
## Statewide Articulated A.S. To B.S. Programs

**E. Science Foundations:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1032</td>
<td>General Chemistry</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>General Chemistry Lab</td>
<td>4 hrs</td>
</tr>
<tr>
<td>or ZOO 3733C &amp; PCB 3703C</td>
<td>Human Anatomy &amp; Physiology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

*Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. BSC 2010C is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.*

### 2. Common Program Prerequisites

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology**</td>
<td>GEP</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Sociology**</td>
<td>GEP</td>
</tr>
<tr>
<td>MCN 2004C</td>
<td>Health Microbiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>General Chemistry**</td>
<td>GEP</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>General Chemistry Lab</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy**</td>
<td>GEP</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>GEP</td>
</tr>
<tr>
<td>or 2023</td>
<td>Statistical Methods</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*May take Anatomy and Physiology sequence of six-eight total credits;** Also meets General Education Requirements; See a UCF Nursing advisor for possible course substitutions.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### 3. Core Requirements

**Graduation from an Articulated Associate Degree Nursing Program**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3805</td>
<td>Dimensions of Professional Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3655</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 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3634</td>
<td>Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4628</td>
<td>Leadership, Management and Role Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Health Care Issues, Policy, &amp; Econ</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4674</td>
<td>Public Health Nursing</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4604L</td>
<td>Practicum in Community and Public Health</td>
<td>4 hrs</td>
</tr>
<tr>
<td>or DEP 2004</td>
<td>Developmental Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 4165</td>
<td>Essentials of Nursing Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3025L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3445L</td>
<td>Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II Clinical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Nursing</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

*Upper Division Credit* **(27 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 4616</td>
<td>Practicum in Community and Public Health</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or DEP 2004</td>
<td>Developmental Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Upper Division Restricted Elective** **(6 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR XXXXX</td>
<td>Any two upper-division nursing electives</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

### 4. Departmental Exit Requirements

Completion of all courses in major with a grade of “C” (2.0) or better

- Cumulative overall GPA of 2.5 or above
- School of Nursing GPA of 2.5 or above

### 6. Electives

variable to meet degree requirements

### 7. Foreign Language Requirements **(0-8 hrs)**

**Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** none

### 8. University Minimum Exit Requirements

- A 2.0 UCF GPA and a 2.5 Nursing Major GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and the CLAST (or exemption)

### Total Semester Hours Required

128 hrs

**Related Programs:** Health Services Administration, Social Work, all health programs

**Related Minors:** Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

**Progression Requirements:**

- Prior to NUR 3805: RN status or eligible to take NCLEX.
- Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
- Prior to NUR 3634 Community Health Nursing:
  - Be admitted to the nursing program
  - Complete general education requirements and prerequisites or A.A. from a Florida public community college or university (SUS)
  - Complete CLAST (or exempt)
  - Complete Foreign language admission requirement

**Other**

Selected courses may be offered at regional campuses of Daytona, Cocoa, Leesburg and Ocala.

The RN to BSN coursework is also offered online. Some on-campus labs and clinical practice may be required. For more information visit [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu).

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fee

- Full-time Student .......................................................... $50 per term
- Part-time Student .......................................................... $25 per term

### RADIOLOGIC SCIENCES (B.S.)

A.S. to B.S. TRACK

(Program for individuals who have a statewide articulated A.S. from a Florida public community college)

**College of Health and Public Affairs**

**Department of Health Professions**

HPA2 208, 407-823-2747

[http://www.cohpa.ucf.edu/health/pro/radtransfer.cfm](http://www.cohpa.ucf.edu/health/pro/radtransfer.cfm)

AS to BS Track Coordinator: Fazal Jameer,
E-mail: fjameer@mail.ucf.edu

**Admission Requirements**

- Acceptance to the university does not necessarily constitute admission to the upper division Radiologic Sciences Program. Separate application to the limited access program must be made directly to the program.
- Criminal history information (background check) must be submitted. For Florida residents the criminal history must be certified by the Florida Department of Law Enforcement (FDLE).
- A personal interview is also required.
- Student must complete a Statewide Articulated A.S. in Radiography program from a Florida public community college that is composed of a minimum of 62 hours of course work, including at least 15 hours of transferrable General Education courses. Students certified in radiography and in good standing with the American Registry of Radiologic Technologists (ARRT) who have not completed a Statewide Articulated A.S. in Radiography program from a Florida Public Community College may apply for admission but are not eligible to transfer to UCF under the provisions of the statewide articulation agreement.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0).
- Students must be certified in radiography and be in good standing with the American Registry of Radiologic Technologists (ARRT).

### Degree Requirements

- Students who change to this program must adopt the most current Catalog
- Students should consult with a departmental advisor
- Many of the courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours
A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program.

UCF residency requirement for Radiography: 33 hours

1. UCF General Education Program (21+1 hrs)

A. Communication Foundations
   Select ENC 1102 and SPC 1608 or SPC 1603
   6 hrs

B. Cultural Historical Foundations
   6 hrs

C. Mathematical Foundations
   MAC 1105 (Completed at CC) 0 hrs
   CGS 1060C (Completed at CC)

D. Social Foundations
   Select ECO 2013 or ECO 2023 or POS 2041
   3 hrs

E. Science Foundations
   Select PHY 2053C
   Select BSC 1005 or 1050
   7 hrs

2. Common Program Prerequisites (4 hrs)
   CGS 1060C Introduction to Computer Science CC
   PCB 3703C Human Physiology* CC
   PHY 2053C College Physics I UCF GEP
   PHY 2054C College Physics II 4 hrs
   ZOO 3733C Human Anatomy* CC
   MAC 1105 College Algebra CC

   CC courses completed as part of the approved A.S. program GEP and core courses with the exception of PHY 2053C and 2054C.
   *See Transfer Notes
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements (33 hrs)

A.S. transfer students will not be required to complete all of the core courses listed below. Specific core course requirements will be based on allowable course transfers and career goals.

Junior Level

RTE 3000 Introduction to Radiologic Sciences 3 hrs
RTE 3111C Introduction to Patient Care 2 hrs
RTE 3503C Radiographic Procedures I 3 hrs
RTE 3116 Advanced Patient Care 3 hrs
RTE 3418C Principles of Radiographic Exposure I 3 hrs
RTE 3804L ST: Clinical Education I 2 hrs
RTE 3513C Radiographic Procedures II 3 hrs
RTE 3457C Principles of Radiographic Exposure II 3 hrs
RTE 3614 Physics of Image Production 2 hrs
RTE 3308 Medical Physics 3 hrs
STA 2023 Statistical Methods I 3 hrs
HSC 4505 Pathophysiologic Mechanisms 3 hrs
RTE 3914L ST: Clinical Education II 4 hrs

Senior Level

RTE 4563 Special Radiographic Procedures 2 hrs
RTE 4782 Pathophysiology 2 hrs
RTE 4824L Clinical Education III 5 hrs
RTE 4573 Advanced Imaging Modalities 3 hrs
RTE 4574 Computed Tomography Protocols or 1 hr
RTE 4579 Mag Resonance Imaging Protocols 1 hr
RTE 4844L Clinical Education IV 6 hrs
RTE 4585 Radiobiology 1 hr
RTE 4846L Clinical Education V - A 2 hrs
RTE 4844L Clinical Education V - B 4 hrs
RTE 4473 Quality Improvement 3 hrs
RTE 4762 Anatomy for the Medical Imager 3 hrs
RTE 4206 Leadership in Radiologic Sciences 3 hrs
RTE 4854L Advanced Clinical Practicum 4 hrs

Core course requirements will include PHY 2054C. Additional core course requirements will be determined during advisement.

4. Program Exit Requirements (124 hrs)

A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program.

5. Electives none

6. Foreign Language Requirements (0-8 hrs)

Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

7. University Minimum Exit Requirements

An overall GPA of 2.5
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 36 hours of course work must be completed in residence at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

Full-time Student ...........................................$50 per term
Part-time Student .........................................$25 per term
Classification of Courses
The University course numbering system is as follows:

0-0999. Sub collegiate level and not counted in meeting degree requirements.

1000-2999. Freshman and sophomore level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and senior.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor’s and master’s programs) should check with their adviser before registering for 6000-level courses.

7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

Florida’s Statewide Course Numbering System
Courses in this catalog are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 33 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course number are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

General Rule for Course Equivalencies
Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed on the next page.)

For example, a freshman composition skills course is offered by 55 different postsecondary institutions. Each institution uses “ENC 101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent.

The Course Prefix
The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses
Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code (first digit)</th>
<th>Century Digit (second digit)</th>
<th>Decade Digit (third digit)</th>
<th>Unit Digit (fourth digit)</th>
<th>Lab Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>English Composition</td>
<td>Lower (Freshman) Level at this institution</td>
<td>Freshman Composition Skills</td>
<td>Freshman Composition Skills</td>
<td></td>
<td>No Laboratory component in this course</td>
</tr>
</tbody>
</table>

University of Central Florida
2009-2010 Undergraduate Catalog
Exceptions to the General Rule for Equivalency
Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution

B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.

C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Practica, Study Abroad, Thesis, and Dissertations.

D. College preparatory and vocational preparatory courses.

E. Graduate courses.

F. Internships, practica, clinical experiences, and study abroad courses with numbers other than those ranging from 900-999

G. Applied courses in the performing arts (Art, Dance, Interior Design, Music and Theatre and skills courses in Criminal Justice are not guaranteed as transferable.

Courses at Nonregionally Accredited Institutions
The Statewide Course Numbering System makes available on its home page (http://scns.fldoe.org) a report entitled “Courses at Nonregionally Accredited Institutions” that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course’s transfer level and transfer effective date. This report is updated monthly.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Dr. Elliot Vittes, Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, 407-823-2691. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or via the internet at http://scns.fldoe.org.

Common Course Numbering System

- ABE Agricultural and Biological Engineering
- ABD Arabic Culture in Translation or Translation Skills
- ABE Arabic Literature (Writings)
- ACCT Accounting: General
- ACO Accounting: Occupational/Technical Variable Paced
- ACR HVACR: Heating/Ventilation/AC/Refrigeration: Tech/Trades
- ADE Adult Education
- ADV Advertising
- AEB Agricultural Economics and Business
- AEE Agriculture and Extension Education
- AER Automotive Mechanics
- AFA African-American Studies
- AHF African History
- AFR Aerospace Studies
- AFS African Studies
- AGE Agricultural Engineering (Discontinued Effective 2005)
- AGG Agriculture - General
- AGR Agronomy
- AHM Amharic Language
- AHT Amharic Culture in Translation or Translation Skills
- AHW Amharic Literature (Writings)
- AKA Akan Language
- AKT Akan Culture in Translation or Translation Skills
- AKW Akan Literature (Writings)
- ALS Agriculture and Life Sciences
- AMH American History
- AML American Literature
- AMS American Studies
- AMT Aviation Maintenance Technology
- ANG Anthropology - Graduate
- ANS Animal Science
- ANT Anthropology
- AOM Agricultural Operations Management
- APA Applied Accounting
- APK Applied Kinesiology
- ARA Arabic Language
- ARC Architecture
- ARD Architectural Design
- ART Art Education
- ARH Art History
- ARR Autobody Repair and Refinishing
- ART Art
- ARV Art, Vocational
- ASC Aviation Science: General
- ASG Animal Science: General
- ASH Asian History
- ASL American Sign Language
- ASN Asian Studies
- AST Astronomy
- ATE Animal Science Technology
- ATF Aviation Technology: Flight
- ATT Aviation Technology: Theory
- AVM Aviation Management
- AVS Automotive Technology
- AYM Aymara Language
- BAN Commercial Banking (AIB Courses Only)
- BCA Building Construction Apprenticeships
- BCC Basic Clinical Clerkships (Required)
- BCH Biochemistry (Biophysics)
- BCN Building Construction
- BCT Building Construction Trades
- BVC Building Construction: Vocational
- BME Biomedical Engineering
- BMS Basic Medical Sciences
- BOT Botany
- BRC Banking Related Courses (Not AIB or IFE)
- BSC Biological Sciences
- BTE Business Teacher Education
- BUL Business Law
- CAP Computer Applications
- CAS Clinical Audiology and Speech Language Pathology (Disc 8006)
- CAT Catalonian Language
- CBH Comparative Psychology and Animal Behavior
- CCE Civil Construction Engineering
- CCJ Criminology and Criminal Justice
- CDA Computer Design/Architecture
- CEG Civil Geotechnical Engineering
- CEN Computer Software Engineering
- CES Civil Engineering Structures
- CET Computer Engineering Technology
- CGN Civil Engineering
- CGS Computer General Studies
- CHD Home Economics: Child Development
- CHI Chinese
- CHM Chemistry
- CHR Chiropractic
- CHS Chemistry - Specialized
- CHT Chinese Culture in Translation or Translation Skills
- CHW Chinese Literature (Writings)
- CIS Computer Science and Information Systems
- CJB College Level Application in Criminal Justice
- CJC Corrections
- CJD Criminal Justice Development
- CJE Law Enforcement
- CJU Juvenile Justice
- CKJ Criminal Justice Basic Training (A.A.S or Vocational)
- CIL Law & Process
- CJT Criminal Justice Technologies
- CLA Classical Ancient Studies
- CLP Clinical Psychology
- CLT Classical Culture in Translation or Translation Skills
- CMC Corporate Media Communication
- CMU Cree/Muskeg/Winiski
- CNF Computer Networks
- COA Home Economics: Consumer Affairs
- COE Cooperative Education
- COM Communication
- COP Computer Programming
- COS Cosmetology
- COT Computing Theory
- COP Comparative Politics
- CPS Comparative Policy Studies (Multinational)
- CPT Cardiopulmonary Technology
- CRW Creative Writing
- CSP Cosmetology - Specialized
- CST Comparative Studies
- CTET Home Economics: Clothing and Textiles
- CTS Computer Technology and Skills
- CVT Cardiovascular Technology
- CWR Civil Water Resources
- CYP Community Psychology
- CZL Czech Language
- CZE Czech Science
- CZT Czech Culture in Translation or Translation Skills
- CZW Czech Literature (Writings)
- DAA Dance, Emphasis On Activity
- DAE Dance Education
- DAN Dance
- DAS Dairy Science (Discontinued Effective 2005)
- DCP Design, Construction and Planning
- DEA Dental Assisting
- DEC Marketing and Distributive Education
- DEH Dental Hygiene
- DEM Demography
- DEN Dentistry
- DEP Developmental Psychology
- DES Dental Support
- DIE Dietetics
- DIG Digital Media
- DIM Diesel Mechanics
- DSC Domestic Security
- DTE Dental Laboratory Technology
- DUT Dutch Language
- EAB Experimental Analysis Of Behavior
- EAP English As A Second Language for Academic Purposes
- EAS Aerospace Engineering
- EBD Education: Emotional/Behavioral Disorder
- ECH Engineering: Chemical
- ECM Engineering: Computer Math
- ECO Economics
- ECP Economic Problems & Policy
- ECS Economic Systems & Development
- EDA Educational Administration
- EDE Education: Elementary
- EDF Education: Foundations and Policy Studies
- EDG Education: General
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
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<tr>
<td>MUN</td>
<td>Music Ensembles</td>
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<tr>
<td>MUO</td>
<td>Music: Opera/Musical Theatre</td>
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<tr>
<td>MUR</td>
<td>Music: Church</td>
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<td>MUS</td>
<td>Music</td>
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<td>MUT</td>
<td>Music: Theory</td>
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<td>MUY</td>
<td>Music: Therapy</td>
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<tr>
<td>MVB</td>
<td>Applied Music: Brasses</td>
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<tr>
<td>MWH</td>
<td>Historical Instruments</td>
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<tr>
<td>MV3</td>
<td>Applied Music: Jazz</td>
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<td>MUK</td>
<td>Applied Music: Keyboard</td>
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<tr>
<td>MAV</td>
<td>Applied Music: Other</td>
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<td>MVP</td>
<td>Applied Music: Percussion</td>
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<td>MVS</td>
<td>Applied Music: Strings</td>
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<td>MVV</td>
<td>Applied Music: Voice</td>
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<tr>
<td>MWW</td>
<td>Applied Music: Woodwinds</td>
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<td>NEM</td>
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<td>NGR</td>
<td>Nursing, Graduate</td>
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<td>NMT</td>
<td>Nuclear Medicine Technology</td>
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<td>NSC</td>
<td>Naval Science</td>
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<td>NUR</td>
<td>Nursing, Generic Undergraduate</td>
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<tr>
<td>OCA</td>
<td>Office Computer Applications</td>
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<td>OCB</td>
<td>Biological Oceanography</td>
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<td>OCC</td>
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<td>ORI</td>
<td>Oral Interpretation</td>
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<td>ORV</td>
<td>Ornamental Horticulture (Variable Paced)</td>
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<td>OST</td>
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<td>Office Technology Applications</td>
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<td>Psychology For Counseling</td>
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<td>PEL</td>
<td>Phys. Educ. Acts. - (Gen.)-Object Oriented, Land</td>
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<td>PEN</td>
<td>Physical Edu. Activities (Gen.)-Water, Snow, Ice</td>
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<td>PHM</td>
<td>Philosophy Of Man and Society</td>
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<td>Philosophers and Schools</td>
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<td>Physical Therapy</td>
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<td>PMZ</td>
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<td>PLA</td>
<td>Paralegal/Legal Assistant/Legal Administration</td>
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<td>Plant Pathology</td>
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<td>PLS</td>
<td>Plant Science</td>
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<td>PLT</td>
<td>Polish Culture in Translation or Translation Skills</td>
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<td>PLW</td>
<td>Polish Literature</td>
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<td>PMA</td>
<td>Pest Management</td>
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<td>Precision Metals Technology</td>
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<td>Portuguese Language</td>
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<tr>
<td>POT</td>
<td>Political Theory</td>
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<td>POW</td>
<td>Portuguese Literature (Writings)</td>
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<td>PPE</td>
<td>Personality</td>
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<tr>
<td>PRN</td>
<td>Practical Nursing</td>
</tr>
<tr>
<td>PRO</td>
<td>Prosthetics/Orthotics</td>
</tr>
<tr>
<td>PRT</td>
<td>Portuguese Culture in Translation or Translation Skills</td>
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<tr>
<td>PSB</td>
<td>Psychobiology</td>
</tr>
<tr>
<td>PSC</td>
<td>Physical Sciences</td>
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<tr>
<td>PSE</td>
<td>Poultry Science (Discontinued Effective 2005)</td>
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<tr>
<td>PSG</td>
<td>Polysomnography</td>
</tr>
<tr>
<td>PSY</td>
<td>Psychology</td>
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<tr>
<td>PTA</td>
<td>Precision Technology Apprenticeships</td>
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<tr>
<td>PTR</td>
<td>Pharmacy Technician</td>
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<tr>
<td>PUB</td>
<td>Public Policy</td>
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<td>PUR</td>
<td>Public Relations</td>
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<tr>
<td>QMB</td>
<td>Quantitative Methods in Business</td>
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<tr>
<td>RAT</td>
<td>Radiation Therapy</td>
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<tr>
<td>RCS</td>
<td>Rehabilitation Counseling Services</td>
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<tr>
<td>REA</td>
<td>Reading</td>
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<tr>
<td>RED</td>
<td>Reading Education</td>
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<tr>
<td>REE</td>
<td>Real Estate</td>
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<tr>
<td>REL</td>
<td>Religion</td>
</tr>
<tr>
<td>RET</td>
<td>Respiratory Care</td>
</tr>
<tr>
<td>RHT</td>
<td>Radiation Health/Radiation Protection Technology</td>
</tr>
<tr>
<td>RMI</td>
<td>Risk Management &amp; Insurance</td>
</tr>
<tr>
<td>ROT</td>
<td>Reactor Operator Technology</td>
</tr>
<tr>
<td>RSD</td>
<td>Rehabilitation Science Doctorate</td>
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<tr>
<td>RTE</td>
<td>Radiologic Technology</td>
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<tr>
<td>RTT</td>
<td>Radio/Television Technology</td>
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<tr>
<td>RTV</td>
<td>Radio/Television</td>
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<tr>
<td>RUS</td>
<td>Russian Language</td>
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<tr>
<td>RUT</td>
<td>Russian Culture in Translation</td>
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<tr>
<td>RUW</td>
<td>Russian Literature (Writings)</td>
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<tr>
<td>SAL</td>
<td>South Asian Languages</td>
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<td>SBM</td>
<td>Small Business Mgmt:</td>
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<tr>
<td>SCA</td>
<td>Scandinavian Languages</td>
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<tr>
<td>SCL</td>
<td>Science Concentration</td>
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<tr>
<td>SED</td>
<td>Speech Education</td>
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<tr>
<td>SER</td>
<td>Small Engine Mechanics</td>
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<tr>
<td>SHT</td>
<td>Shona Language</td>
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<td>SHT</td>
<td>Shona Culture in Translation or Translation Skills</td>
</tr>
<tr>
<td>SLC</td>
<td>Slavic Languages</td>
</tr>
<tr>
<td>SSL</td>
<td>Student Life Skills (Learning)</td>
</tr>
<tr>
<td>SLT</td>
<td>Slavic Culture in Translation or Translation Skills</td>
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<tr>
<td>SLW</td>
<td>Slavic Literature (Writings)</td>
</tr>
<tr>
<td>SMT</td>
<td>Science or Mathematics Teaching</td>
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<td>SSW</td>
<td>Scandinavian Literature</td>
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<td>SON</td>
<td>Sonography</td>
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<td>SOP</td>
<td>Social Psychology</td>
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<td>SOS</td>
<td>Soil Science</td>
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<td>SOW</td>
<td>Social Work</td>
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<tr>
<td>SPA</td>
<td>Speech Pathology and Audiology</td>
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<tr>
<td>SPB</td>
<td>Sports Business</td>
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<tr>
<td>SPC</td>
<td>Speech Communication (4/67)</td>
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<td>SPM</td>
<td>Sports Management</td>
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<td>SPN</td>
<td>Spanish Language</td>
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<td>SPR</td>
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<td>SPS</td>
<td>Speech Pathology</td>
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<td>SPT</td>
<td>Spanish Culture in Translation or Translation Skills</td>
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<td>SPW</td>
<td>Spanish Literature (Writings)</td>
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<td>SRK</td>
<td>Sanskrit Language</td>
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<td>SRT</td>
<td>Sanskrit Culture in Translation or Translation Skills</td>
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<td>Sub-Saharan African Languages</td>
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<td>Sub-Saharan African Literature</td>
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<td>STA</td>
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<td>STS</td>
<td>Surgical Technology Studies</td>
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<tr>
<td>SUR</td>
<td>Surveying &amp; Related Areas</td>
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<td>SVL</td>
<td>Savings and Loan (IFE Courses Only)</td>
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<td>SWA</td>
<td>Swahili Language</td>
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<td>SWT</td>
<td>Swahili Culture in Translation or Translation Skills</td>
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<td>SYA</td>
<td>Sociology Analytical</td>
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<tr>
<td>SYD</td>
<td>Sociology Of Demography/Area Studies/Sociological Minorities</td>
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<td>SYG</td>
<td>Sociology, General</td>
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<td>SYO</td>
<td>Social Organization</td>
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<td>SYP</td>
<td>Social Processes</td>
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<td>TAR</td>
<td>Technical Architecture</td>
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<td>TAX</td>
<td>Taxation</td>
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<td>TCA</td>
<td>Telecommunications</td>
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<td>THE</td>
<td>Theatre Studies and General Resources</td>
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<td>TPA</td>
<td>Theatre Production and Administration</td>
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<td>TPP</td>
<td>Theatre Performance and Performance Training</td>
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<td>TRA</td>
<td>Transportation and Logistics</td>
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<td>TSL</td>
<td>Teaching English As A Second Language</td>
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<td>TTE</td>
<td>Transportation Engineering</td>
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<td>TUR</td>
<td>Turkish Language</td>
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<td>Turkish Culture in Translation or Translation Skills</td>
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<td>URR</td>
<td>Urban and Regional Planning</td>
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<td>URS</td>
<td>Urban and Regional Studies</td>
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<tr>
<td>VAR</td>
<td>Variable-Paced Architecture</td>
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<td>Vegetable Crops</td>
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<td>Veterinary Medicine Professional</td>
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<td>VME</td>
<td>Veterinary Medicine Graduate</td>
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<td>VPI</td>
<td>Vocational Preparatory Instruction</td>
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<td>VTN</td>
<td>Vietnamese Language</td>
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<td>VTT</td>
<td>Vietnamese Culture in Translation or Translation Skills</td>
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<td>VTW</td>
<td>Vietnamese Literature (Writings)</td>
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<td>Weed Science</td>
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<td>Wildlife Science</td>
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<td>WOH</td>
<td>World History</td>
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<td>WOL</td>
<td>Wolof Language</td>
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<td>WOT</td>
<td>Wolof Culture in Translation or Translation Skills</td>
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<td>WOW</td>
<td>Wolof Literature (Writings)</td>
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<td>WST</td>
<td>Women's Studies</td>
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<td>XHO</td>
<td>Xhosa Language</td>
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<td>XHT</td>
<td>Xhosa Culture in Translation or Translation Skills</td>
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<tr>
<td>XHW</td>
<td>Xhosa Literature (Writings)</td>
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<td>YOR</td>
<td>Youba Language</td>
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<td>YOT</td>
<td>Youba Culture in Translation or Translation Skills</td>
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<td>YRW</td>
<td>Youba Literature (Writings)</td>
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<tr>
<td>ZOO</td>
<td>Zoology</td>
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</table>
Common Course Numbering System

Courses Numbered 0-999

Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses

In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

Special Undergraduates  Grad

Directed Independent Studies  1906, 2905, 3905, 4906, 5907
Directed Independent Research  4912, 5917
Special Undergraduate Research  IDS 3913, 4914
Special Topics/Seminars  1931, 2930, 3930, 4932, 5937
*Internship, Practica, Clinical Prac  3940, 4941, 5943
Cooperative Education  1949, 2949, 3949, 4949, 5949
Honors Undergraduate Thesis  3970H, 4970H
Honors Directed Reading  4903H
Honors Directed Reading  4904H
Study Abroad  4955, 5957

*These courses may be assigned variable credit. Some may be repeated upon approval.

†The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

‡Enrollment is limited to those students who are fully admitted to the Graduate Program.

§Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.
CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.
CI: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.

Example: ART 2500C  CAH-ART  3(2,4)

ART 2500C is offered by the College of Arts and Humanities (CAH), in the Department of Art (ART), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.

College/School/Department Indicator

Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities, COM = Medicine, CON = Nursing, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

College/School  Department  Abbreviation
BA  Accounting  ACCT
BA  Business  BUS
BA  Economics  ECON
BA  Finance  FIN
BA  Management  MAN
BA  Management Information System  MIS
BA  Marketing  MAR
CAH  African American Studies  AAS
CAH  Art  ART
CAH  Arts & Humanities  CAH
CAH  Digital Media  DIG
CAH  English  ENG
CAH  Film  FILM
CAH  Foreign Languages  LANG
CAH  History  HIST
CAH  Judaic Studies  JUD
CAH  Music  MUSIC
CAH  Philosophy  PHIL
CAH  Theatre  THEA
CAH  Women's Studies  WOM
COM  Molecular Biology & Microbiology  M&M
CON  Nursing  NURS
COS  Biology  BIOL
COS  Chemistry  CHEM
COS  Communication  COMM
COS  Mathematics  MATH
COS  Physics  PHYS
COS  Political Science  POLS
COS  Psychology  PSYCH
COS  Radio/TV  R/TV
COS  Sociology & Anthropology  SOC/AN
COS  Statistics  STAT
ECS  Air Force ROTC-Aerospace  AFR/OTC
ECS  Civil & Environmental  CEE
ECS  Electrical Eng & Computer Sci  EEC
ECS  Engineering  ENGR
ECS  Engineering Technology  ENT
ECS  Industrial & Management  IEMS
ECS  Mechanical/Materials/Aerospace  MMEA
ECS  Military Science-Army ROTC  AR/OTC
ED  Child, Family & Comm Services  CFCS
ED  Education  EDU
ED  Education  ERTL
ED  Educational Foundations  EDF
ED  Educational Studies  ES
ED  Human Services/Wellness  HSW
ED  Instructional Programs  IP
ED  Teaching & Learning Principles  TLP
HM  Hospitality Management  HOSP
HPA  Communicative Disorders  COMD
HPA  Criminal Justice & Legal Studies  CJLS
HPA  Health & Public Affairs  HPA
HPA  Health Information Management  HIM
HPA  Health Professions  HP
HPA  Public Administration  PUB
HPA  Social Work  SOW
UGST  Undergrad/Interdisc Studies  INTERDISC
### UCF Courses and Descriptions

#### Finding a Course in this List:
The UCF courses in this section are listed alphabetically by prefix. Consult the “Common Course Numbering System” section of the Undergraduate Catalog for additional information.

#### Availability of Courses:
The University does not offer all of the courses listed in this Undergraduate Catalog each academic year, academic semester, or term. Consult the online Class Schedule at https://my.ucf.edu for those courses offered each semester/term.

At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.

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**ACG 2021 BA-ACCT 3(3,0)**
*Principles of Financial Accounting:*
PR: Sophomore standing and MAC 1105 or equivalent. Nature of accounting, financial statements, the accounting cycle, assets, current liabilities, long-term debt, and owner’s equity; accounting for proprietorships and corporations. Fall, Spring.

**ACG 2021H BA-ACCT 3(3,0)**
*Honors Principles of Financial Accounting:*
PR: MAC 1105 and consent of Honors. Same as ACG 2021 with honors level content. Occasional.

**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 Fall, Spring.

**ACG 3361 BA-ACCT 3(3,0)**
*Cost Accounting I:*
PR: Junior standing, Accounting major or minor, and MAC 1105, ECO 2013, ECO 2023, and ACG 2071 with a grade of "C" (2.0) or better. Technical knowledge about accounting measurement, and disclosure plus the study of how accounting reports are analyzed, and interpreted by external users. 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 calculation of financial and managerial accounting, and auditing for governmental, and nonprofit organizations. Fall, Spring.

**ACG 4252 BA-ACCT 3(3,0)**
*International Financial and Managerial Accounting:*

**ACG 4284 BA-ACCT 3(3,0)**
*Financial Reporting for Consolidated Entities:*
PR: ACG 3141. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. Occasional.

**ACG 4401C BA-ACCT 3(3,1)**
*Accounting Information Systems:*
PR: Accounting major or minor, ACG 3131 and CGS 2100C, with a grade of "C" or better. Manual and computer-based accounting information systems. Fall, Spring.

**ACG 4651 BA-ACCT 3(3,0)**
*Auditing:*
PR: Accounting major or minor, ACG 3141 and ACG 4401C with a grade of "C" or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

**ACG 4671 BA-ACCT 3(3,0)**
*Internal Auditing:*
PR: Accounting major or minor, ACG 3141 and ACG 4401C with a grade of "C" or better. The standards, practices, and procedures followed in internal auditing and the use of internal auditing in organizational control. Fall, Spring.

**ACG 4803 BA-ACCT 3(3,0)**
*Contemporary Issues in Accounting:*
PR: ACG 3141, ACG 3361, ACG 4401C, TAX 4001. A study of accounting that integrates knowledge gained in previous coursework through critical analysis, practical research assignments, and capstone cases. Fall, Spring.

**ADE 4382 ED-TLP 3(3,0)**
*Teaching Adult Learners in Technical Programs:*
PR: ACG 2021, ACG 3361, or ACG 4401C. Theory and practice of adult education in technical programs. Fall, Spring.

**AFH 5259 CAH-HIST 3(3,0)**
*African History to 1870:*
PR: C.I. Sub-Saharan African history from 1870 to the present. Occasional.

**AFH 5308 CAH-HIST 3(3,0)**
*The Historiography of Slavery in Africa:*
PR: Graduate standing or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.

**AFH 5806 CAH-HIST 3(3,0)**
*The Historiography of Slavery in Africa:*
PR: Graduate standing or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.

**AFR 1101C ECS-AFROTIC 1(1,2)**
*The Air Force Today I:*

**AFR 1111C ECS-AFROTIC 1(1,2)**
*The Air Force Today II:*
A brief review of the Army, Navy, and Marine forces. An introduction to special operations and counterinsurgency. Spring.

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
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<tbody>
<tr>
<td>AFR 2130C</td>
<td>The Development of Air Power I</td>
<td>1</td>
<td>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.</td>
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<tr>
<td>AFR 2131C</td>
<td>The Development of Air Power II</td>
<td>1</td>
<td>A study of the development of aerospace capabilities since World War II, highlighting technological advancements and the role of aerospace power in the contemporary world. Spring.</td>
</tr>
<tr>
<td>AFR 3220C</td>
<td>Air Force Leadership and Management I: An introductory study of Air Force management fundamentals, communications skills, and basic leadership styles. Hands on training. Fall.</td>
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<tr>
<td>AMH 3370</td>
<td>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.</td>
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<td>AMH 3402</td>
<td>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. Occasional.</td>
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<tr>
<td>AMH 3403</td>
<td>History of the South Since 1865: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, the &quot;Solid South&quot; and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. Occasional.</td>
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<tr>
<td>AMH 3541</td>
<td>U. S. Military History To 1900: PR: AMH 2010 and AMH 2020, or C.I. The military history from the colonial period to 1900 focusing on the creation of American military institutions, conduct of war, and influence on society. Occasional.</td>
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<tr>
<td>AMH 3586</td>
<td>History of the History of the Hispanic Minorities in the U.S.: Course begins with a broad survey of the Hispanic population in the United States and focuses on the experiences of Hispanic Americans. Occasional.</td>
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<tr>
<td>AMH 3800</td>
<td>Canadian History: Canada since Colonial times and the present, with an emphasis on the impact since the British North America Act, 1867. Occasional.</td>
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<tr>
<td>AMH 4110</td>
<td>Colonial America, 1607-1763: PR: AMH 2010 and AMH 2020, or C.I. The voyages of discovery, the origins of the thirteen colonies, and their political, economic, social, and religious life in the 17th and 18th centuries. Occasional.</td>
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<tr>
<td>AMH 4112</td>
<td>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.</td>
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<tr>
<td>AMH 4201</td>
<td>The Gilded Age and Progressivism: PR: AMH 2010 and AMH 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.</td>
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<tr>
<td>AMH 4231</td>
<td>United States History: 1914-1939: PR: AMH 2010 and AMH 2020, or C.I. The progressive reforms of Woodrow Wilson, World War I, post-war prosperity, the Depression, the New Deal, and the coming of World War II. Occasional.</td>
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<td>AMH 4311</td>
<td>American Culture I: PR: AMH 2010 and AMH 2020, or C.I. The European Backgrounds: Puritanism; Enlightenment; the Great Awakening; Revolutionary Thought: Romanticism; the Southern Mind and the Yankee Response; Popular Culture and the rise of recreation. Occasional.</td>
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<tr>
<td>AMH 4313</td>
<td>American Culture II: PR: AMH 2010 and AMH 2020, or C.I. The impact on society, and society's impact on technological development. Even Spring.</td>
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<td>Course Code</td>
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<td>AMH 4376</td>
<td>CAH-HIST</td>
<td>U.S. Space History:</td>
<td>3(3,0)</td>
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<td>AMH 4510</td>
<td>CAH-HIST</td>
<td>Rise of the United States to World Power: 1776-1914:</td>
<td>3(3,0)</td>
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<tr>
<td>AMH 4512</td>
<td>CAH-HIST</td>
<td>US Diplomatic History: 1914-1945:</td>
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<td>AMH 4513</td>
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<td>United States as a Great Power: 1945-Present:</td>
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<td>AMH 4573</td>
<td>CAH-HIST</td>
<td>Black Militancy in the 20th Century:</td>
<td>3(3,0)</td>
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<td>AMH 4644</td>
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<td>Viewing American History in the Twentieth Century:</td>
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<td>AMH 4650</td>
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<td>History of U.S. Aviation:</td>
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<td>AMH 4680</td>
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<td>AMH 5116</td>
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<td>Colloquium in U.S. Colonial History:</td>
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<td>Colloquium in U.S. Revolutionary Period:</td>
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<td>Colloquium in Early U.S. History, 1789-1815:</td>
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<td>AMH 5169</td>
<td>CAH-HIST</td>
<td>Colloquium in Age of Jackson:</td>
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<td>Colloquium in Civil War and Reconstruction:</td>
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<td>Colloquium in Latin 19th Century U.S.:</td>
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<td>Colloquium in American South:</td>
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<td>Colloquium in U.S. Frontier:</td>
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<td>Colloquium: Women in American History:</td>
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<td>CAH-ENG</td>
<td>Major American Authors:</td>
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<td>AML 4321</td>
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<td>Modern American Literature:</td>
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<td>American Poetry at Mid-Century:</td>
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<td>CAH-ENG</td>
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<td>CAH-ENG</td>
<td>Whitman and His Heirs:</td>
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<td>AML 4406</td>
<td>CAH-ENG</td>
<td>Topics in African-American Literature:</td>
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UCF Courses and Descriptions

AML 4630 CAH-ENG 3(3,0) Latino/Latina Literature: PR: Grade of C (2.0) or better required in ENG 304. U.S. literature by writers from Latino and Latina backgrounds. Occasional.

AML 5076 CAH-ENG 3(3,0) American Literature: Colonial to Contemporary: PR: Graduate status or senior standing or C.I. Intended for graduate students and future teachers of American Literature, this course surveys texts produced in America from the colonial period to the present. Occasional.

AML 5156 CAH-ENG 3(3,0) Modern American Poetry: PR: Graduate status or senior standing or C.I. Study of trends, modes, major figures (Eliot, Pound, H.D. Lawrence, Stevens, Hart Crane, Moore, W.C. Williams, etc.) within the Modernist movement in American poetry. Occasional.

ANG 5100 COS-ANTHRO 3(3,0) Archeological Sciences: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Field and laboratory methods routinely used in archeology and forensic archeology, including instrumentation. Occasional.

ANG 5165 COS-ANTHRO 3(3,0) Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary field research in the Maya area. Spring.

ANG 5166 COS-ANTHRO 3(3,0) Problems in Maya Studies: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. In-depth study of current methodological, theoretical, and/or topical problems in Maya Studies. Occasional.

ANG 5167 COS-ANTHRO 3(3,0) Maya Hieroglyphs: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of transformations in reconstructions of ancient Maya culture. Occasional.

ANG 5228 COS-ANTHRO 3(3,0) Maya Iconography: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. Odd Spring.

ANG 5272 COS-ANTHRO 3(3,0) Culture, Power and Development: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Origins and contemporary ramifications of underdevelopment and disempowerment in the world system from an anthropological perspective. Occasional.

ANG 5307 COS-ANTHRO 3(3,0) Peoples and Cultures of Latin America: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Latin American culture focusing on indigenous history, colonialism, traditional peoples, social change, and modernization. Occasional.

ANG 5341 COS-ANTHRO 3(3,0) Caribbean Cultures: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Historical and contemporary overview of the societies and cultures of the Caribbean region, including effects of colonization by the Dutch, Spanish, British, and French. Occasional.

ANG 5437 COS-ANTHRO 3(3,0) Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANG 5467 COS-ANTHRO 3(3,0) Nutritional Anthropology: PR: One course in Social Sciences (min 2000-level) and one course in Biological Sciences (min 2000-level) and consent of instructor. Graduate status or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiologial status. Perspectives are cross-cultural, evolutionary, ecological. Occasional.

ANG 5620 COS-ANTHRO 3(3,0) Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language as an integral part of human culture and behavior, focusing on cross cultural issues that affect cultural competency. Spring.

ANG 5622 COS-ANTHRO 3(3,0) Language, Culture and Pedagogy: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Linguistic and cultural issues in the learning needs of students from culturally diverse populations. Occasional.

ANG 5738 COS-ANTHRO 3(3,0) Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological approaches to the study of health and disease. Odd Fall.

ANG 5741 COS-ANTHRO 3(3,0) Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual-ancient and modern. Occasional.

ANG 5742 COS-ANTHRO 3(3,0) Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. Occasional.

ANT 2000 COS-ANTHRO 3(3,0) General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. Fall, Spring.


ANT 2100 COS-ANTHRO 3(3,0) Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

ANT 2410 COS-ANTHRO 3(3,0) Cultural Anthropology: An introduction to human diversity as exemplified among various cultures and ethnic groups. Fall, Spring.

ANT 2511 COS-ANTHRO 3(3,0) The Human Species: Human biological variation in an evolutionary perspective. Fall, Spring.

ANT 2511H COS-ANTHRO 3(3,0) Honors The Human Species: PR: Permission of Honors. Human biological variation in an evolutionary perspective. Occasional.

ANT 3106 COS-ANTHRO 3(3,0) Archaeology and Popular Culture: PR: ANT 2000 or C.I. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. Occasional.

ANT 3115 COS-ANTHRO 3(3,0) Archaeological Method and Theory: A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. Even Fall.

ANT 3142 COS-ANTHRO 3(3,0) Old World Prehistory: A comparative study of social evolution in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history. Occasional.

ANT 3145 COS-ANTHRO 3(3,0) Archaeology of Complex Societies: Theoretical perspectives on ancient hierarchies of power. Fall.

ANT 3158 COS-ANTHRO 3(3,0) Florida Archaeology: PR: ANT 2000 or ANT 2100 or C.I. Florida prehistory from Paleo-Indian to European contact including archaeological periods, cultural areas, sites, and artifacts. Occasional.

ANT 3160 COS-ANTHRO 3(3,0) Pre-Contact Americas: PR: ANT 2000 or C.I. Archaeological developments of North, Central, and South America from the hemisphere's initial peopling through the advent of European cultures. Occasional.

ANT 3161 COS-ANTHRO 3(3,0) Archaeology of Mexico: PR: ANT 2000 or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaeological cultures. Occasional.

ANT 3163 COS-ANTHRO 3(3,0) Mesoamerican Archaeology: An introduction to the prehistory of Mexico, Guatemala and upper Central America from earliest times through the Spanish conquest. Occasional.

ANT 3164 COS-ANTHRO 3(3,0) Ancient Incas: PR: ANT 2000 or SYG 2000 or ANT 2100 or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnohistorical, historical, and contemporary anthropological sources. Occasional.

ANT 3165 COS-ANTHRO 3(3,0) Archaeology of South America: PR: ANT 2000 or C.I. Civilizations of South America from the last ten thousand years, focusing primarily on civilizations of the Andes and other areas. Occasional.

ANT 3168 COS-ANTHRO 3(3,0) Maya Archaeology: An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.

ANT 3173 COS-ANTHRO 3(3,0) Archaeology of Sex: PR: ANT 2000 or C.I. Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an anthropological perspective. Occasional.


ANT 3212 COS-ANTHRO 3(3,0) Peoples of the World: A comparative study of religion, family, politics, philosophy, and other elements of socio-cultural organization of pre-literate societies. Fall, Spring.

ANT 3241 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.

ANT 3245 COS-ANTHRO 3(3,0) Native American Religions: PR: ANT 2000 or ANT 2410 or C.I. The religious beliefs of native New World peoples. Occasional.

ANT 3273 COS-ANTHRO 3(3,0)
Law and Culture: An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. Occasional.

ANT 3302 COS-ANTHRO 3(3,0)
Sex, Gender and Culture: The traditional and changing roles of women and men viewed in a cross-cultural perspective. Fall, Spring.

ANT 3311 COS-ANTHRO 3(3,0)

ANT 3312 COS-ANTHRO 3(3,0)
Ethnology of North American Indians: A survey of the aboriginal cultures of North America, with emphasis on the pre-contact cultural condition. Even Spring.

ANT 3313 COS-ANTHRO 3(3,0)

ANT 3314 COS-ANTHRO 3(3,0)
Indians of the Northeast Woodlands: PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the North American Northeast. Occasional.

ANT 3316 COS-ANTHRO 3(3,0)

ANT 3318 COS-ANTHRO 3(3,0)
Indians of the Northwest Coast: PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the Northwest Coast of North America. Occasional.

ANT 3319 COS-ANTHRO 3(3,0)
Anthropology of Diaspora: PR: ANT 2000 or ANT 2410 or CI. Comparative study of sociocultural constructions of race and the processes of acculturation and resistance in African Diasporas of the New and Old Worlds. Occasional.

ANT 3320 COS-ANTHRO 3(3,0)

ANT 3330 COS-ANTHRO 3(3,0)
Cultural Ecology of Amazonia: PR: Any 2000 level social science course or CI. The cultural ecology and adaptive strategies of native Amazonians, including effects of modernization on resource use and cultural survival. Occasional.

ANT 3344 COS-ANTHRO 3(3,0)

ANT 3358 COS-ANTHRO 3(3,0)
Life and Death in Ancient Egypt: PR: Any 2000 level Anthropology course. Use of archaeology and physical anthropology to examine the lives and death of both common citizens and royals in Ancient Egypt (3200 BCE-AD 600). Occasional.

ANT 3362 COS-ANTHRO 3(3,0)

ANT 3363 COS-ANTHRO 3(3,0)
Anthropology of Japan: An examination of Japanese culture and its contemporary behavioral and organizational patterns by drawing upon archaeology, cultural history, linguistics, cultural anthropology, and social organization. Occasional.

ANT 3393 COS-ANTHRO 3(3,0)
American Indian Literature and Culture in Florida: PR: ENC 1102. Literature about the Apalachee, Timucua, Seminole, and Calusa tribes in Florida, examining various issues through oral tales and legends, treaties, archival sources. Occasional.

ANT 3450 COS-ANTHRO 3(3,0)
Living in the USA: Anthropological Perspectives: PR: ANT 2000 or SYG 2000 or PSY 2012 or CI. Ethnographic study of diverse experiences of life in the United States. Special focus on class, race, gender, citizenship, generation, and religion. Occasional.

ANT 3541 COS-ANTHRO 3(3,0)
Biobehavioral Anthropology: An introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments. Spring.

ANT 3549 COS-ANTHRO 3(3,0)

ANT 3701 COS-ANTHRO 3(3,0)
Applied Anthropology: PR: ANT 2000 or CI. Application of anthropological methods to current human problems such as the environment, migration, globalization and health. Occasional.

ANT 3949 COS-ANTHRO 0(0,8)
Cooperative Education in Anthropology: PR: Departmental permission required before registration. Cooperative education experience in anthropology. Graded SU. May be repeated. Occasional.

ANT 4013 COS-ANTHRO 3(3,0)

ANT 4034 COS-ANTHRO 3(3,0)

ANT 4101 COS-ANTHRO 3(3,0)
Archaeological Sciences: PR: ANT 2511, or ANT 2100, or CI. Methods and instrumentation routinely used in archaeology and forensic archaeology. Spring.

ANT 4142 COS-ANTHRO 3(3,0)
History of North America: PR: Any lower level course in the social sciences. The rise of North American Native culture from the earliest evidence of human occupation in the New World; e.g., the Folsom, Clovis, Sandia, etc., to the time of contact with European cultures. Occasional.

ANT 4153 COS-ANTHRO 3(3,0)
North American Archaeology: PR: Any lower level social science course. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. Occasional.

ANT 4180C COS-ANTHRO 3(1,4)
Seminar in Laboratory Analysis: The processing of archaeological finds from excavation through publication. May be repeated for credit. Spring.

ANT 4184 COS-ANTHRO 3(3,0)
Mortuary Archaeology: PR: ANT 2000, or ANT 2100, or ANT 2511 or CI. Archaeological interpretations of death; basic data collection, skeletal analysis; and comparative study of mortuary ritual - both ancient and modern. Occasional.

ANT 4266 COS-ANTHRO 3(3,0)

ANT 4308 COS-ANTHRO 3(3,0)
Gender Issues in Latin America: PR: Completion of a lower-level social science course or its equivalent. Issues of gender in Latin American society and culture from a feminist anthropological approach, both theoretical and practical, with special attention to women’s lives. Occasional.

ANT 4332 COS-ANTHRO 3(3,0)
People and Cultures of Latin America: PR: ANT 2000, or SYG 2000, or PSY 2012 or CI. History and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. Odd Fall, Spring.

ANT 4340 COS-ANTHRO 3(3,0)

ANT 4352 COS-ANTHRO 3(3,0)
African Societies and Cultures: PR: ANT 2000 or SYG 2000 or CI. Anthropological survey of Africa examining the social, cultural, and economic diversity of the continent over time. Occasional.

ANT 4354 COS-ANTHRO 3(3,0)
Postcolonial Africa: PR: ANT 2000 or SYG 2000 or CI. Cultural change and continuity in contemporary Africa, with special attention to race and ethnicity, gender, social change, and globalization. Occasional.

ANT 4408 COS-ANTHRO 3(3,0)
Culture, Disease, and Healing: PR: Any 2000 level Anthropology course. The role of culture in shaping the experience and perceptions of health, sickness, and well-being in a variety of contexts. Odd Fall, Spring.

ANT 4438 COS-ANTHRO 3(3,0)
Anthropology of Tourism: PR: ANT 2000, or SYG 2000, or PSY 2012 or CI. Social theory of tourism; anthropology of tourism in U.S. and world regions, including tourism on local peoples, cultures, and environments. Occasional.

ANT 4462 COS-ANTHRO 3(3,0)
Medical Anthropology: PR: ANT 2000 or ANT 2511 or CI. The field of medical anthropology. Topics will include theories, methods, and applications. Occasional.

ANT 4467 COS-ANTHRO 3(3,0)
Nutritional Anthropology: PR: One 2000 level course in social sciences and one 2000 level course in biological sciences or CI. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. Occasional.

ANT 4516 COS-ANTHRO 3(3,0)
Human Biological Diversity: PR: ANT 2511 or BSC 2010C or CI. Human biological variation and adaptation. Occasional.

ANT 4521C COS-ANTHRO 3(3,0)
Forensic Anthropology: PR: ANT 2511 or CI. The study of human skeletal remains in relation to a legal context. Occasional.
UCF Courses and Descriptions

ANT 4525C  COS-ANTHRO  4(3,1)
Human Osteology: PR: ANT 251L. The scientific study of the human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. Fall,

ANT 4528C  COS-ANTHRO  5(3,3)
Advanced Forensic Anthropology: PR: ANT 452C. Advanced laboratory methods in forensic anthropology, including skeletal analysis and the application of archaeological techniques to the recovery of human remains. Even Spring.

ANT 4560  COS-ANTHRO  3(0)

ANT 4586  COS-ANTHRO  3(0)
Human Origins: PR: ANT 251L. The fossil evidence for human evolution from Miocene hominoids through the australopithecines and the earliest members of the genus Homo. Spring.

ANT 4702  COS-ANTHRO  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 under-development and disempowerment in the world system. Occasional.

ANT 4802  COS-ANTHRO  3(0)

ANT 4824  COS-ANTHRO  9(9,0)
Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.

APA 3471  BA-ACCT  3(0)

ARA 1120C  CAH-LANG  4(3,1)
Elementary Arabic Language and Civilization I: PR: Introduction to Arabic language skills. Open only to students with no experience in the language. Fall.

ARA 1120H  CAH-LANG  4(4,1)
Honors Elementary Arabic Language and Civilization I: PR: Permission of Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Honors level credit. Occasional.

ARA 1121C  CAH-LANG  4(3,1)
Elementary Arabic Language and Civilization II: PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.

ARA 1121H  CAH-LANG  4(4,1)

ARA 2200  CAH-LANG  3(3,1)
Intermediate Arabic Language and Civilization I: PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.

ARA 2201  CAH-LANG  3(0,0)
Intermediate Arabic I: PR: ARA 2200 (Intermediate Arabic I) or equivalent or C.I. Continuation of ARA 2200 with emphasis on Arabic cultures. Fall, Spring.

ARE 2011  ED-CFCV  3(3,0)
Early Childhood Art and Creativity: An examination of developmental patterns in children's artistic behaviors and appropriate instructional strategies to be implemented. Occasional. M&S fee: $5.00

ARE 3944  CAH-ART  3(2,3)
Community Arts Practicum: PR: C.I. A supervised experience for students to facilitate art programming in a variety of community settings. Occasional.

ARE 4250  ED-TLP  3(3,0)
Art for Exceptionalities: PR: EDG 4323 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.

ARE 4262  CAH-ART  3(0)
Methods in Art Administration: PR: ARH 3820. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. Occasional.

ARE 4313  ED-TLP  1(1,0)
Art in the Elementary School: PR: EDF 2005; CR MUE 3210. HLP 4722, RED 4519, MIE 4262, and EDE 3842. Basic principles, purposes, scope and sequence; organization for instruction; evaluation of activities; selected art experiences. Fall. Spring. M&S fee: $5.00

ARE 4351  ED-TLP  3(2,1)
Teaching Art in the Elementary School: PR: EDF 4214 and EDG 4233. Transition from university art studio practice to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&S fee: $5.00

ARE 4352  ED-TLP  3(2,1)
Teaching Art in the Secondary School: PR: EDF 4214, and EDG 4233. Transition from university art studio practice to high school teaching of art. Examination of teaching methodology relative to the high school and junior high school settings. Spring. M&S fee: $5.00

ARE 4356  ED-TLP  3(3,1)
Teaching Art Appreciation & Criticism in the Classroom: PR: Completion of all Art Education Program Pre-requisites or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee: $5.00

ARE 4453  ED-TLP  3(3,0)
Studio Experiences in Art Education: PR: Completion of Honors. Painting, sculpture and architecture from the Renaissance through the 20th century. Honors level content. Occasional.

ARE 4945  ED-TLP  3(3,0)
Teaching Art K-12: PR: Admission to MA in Art Education. Teaching Art K-12. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&S fee: $5.00

ARE 5359  ED-TLP  4(4,0)
Teaching Art K-12: PR: Admission to MA in Art Education. Graduation standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&S fee: $5.00

ARE 5454  ED-TLP  3(3,0)
Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee: $5.00

ARE 5648  ED-TLP  3(3,0)

ARH 2050  CAH-ART  3(3,0)
History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Occasional.

ARH 2050H  CAH-ART  3(3,0)
Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051  CAH-ART  3(3,0)
History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.

ARH 2051H  CAH-ART  3(3,0)
Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

ARH 2500  CAH-ART  3(3,0)
History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.

ARH 3454  CAH-ART  3(3,0)
Happenings and Conceptual Art: PR: Junior Standing or C.I. Aesthetic and social significance of "Total Art" in its attempt to break down customary distinctions between life and art. Occasional.

ARH 3471  CAH-ART  3(3,0)
Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.

ARH 3520  CAH-ART  3(3,0)
African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. Occasional.

ARH 3570  CAH-ART  3(3,0)
Ceramics of the Muslim World: PR: ARH 2050 or C.I. Islamic Art and the stylistic and technical characteristics of the period in contrast to pre-Islamic or other civilizations such as the ancient Greeks, Egyptians, Babylonians, and Chinese. Occasional.

ARH 3610  CAH-ART  3(3,0)
American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art from 1400 to the present. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.

ARH 3631  CAH-ART  3(3,0)
ARH 3632H CAH-ART 3(3,0)

ARH 3670 CAH-ART 3(3,0)
20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.

ARH 3673 CAH-ART 3(3,0)
Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1980's. Occasional.

ARH 3674 CAH-ART 3(3,0)

ARH 3683 CAH-ART 3(3,0)
Southern Folk Arts: PR: Junior Standing or C.I. This course will explore contemporary issues related to folk art, including definition, collecting, marketing, art criticism, tradition, innovation, and its relationship to the so-called fine arts and popular arts. Occasional.

ARH 3710 CAH-ART 3(3,0)
History of Photography I: PR: Junior Standing or C.I. History of photography from its earliest inception to 1890. The content of this course is designed for art majors. Occasional.

ARH 3711 CAH-ART 3(3,0)
History of Photography II: PR: Junior Standing or C.I. History of still photography from the early 20th century to the present. The content of this course is designed for art majors. Occasional.

ARH 3720 CAH-ART 3(3,0)
History of Prints: PR: ARH 2050 and ARH 2051 or C.I. History of printmaking in the Western world, surveying works by the “great printmakers.” Occasional.

ARH 3728 CAH-ART 3(3,0)

ARH 3820 CAH-ART 3(3,0)
Visual Arts Administration Vistas: PR: Junior Standing or C.I. Grant applications; Personnel; copyright laws; museum practices, etc. Occasional.

ARH 4130 CAH-ART 3(3,0)
Greek Art and Architecture: PR: ARH 2050 and ARH 2051. Examines the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. Occasional.

ARH 4150 CAH-ART 3(3,0)
Roman Art and Architecture: PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantine. Occasional.

ARH 4200 CAH-ART 3(3,0)
Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. Occasional.

ARH 4310 CAH-ART 3(3,0)
Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian art and architecture from 1300 to 1650. Occasional.

ARH 4350 CAH-ART 3(3,0)
Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. Occasional.

ARH 4352 CAH-ART 3(3,0)
Italian Baroque Art: PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.

ARH 4430 CAH-ART 3(3,0)
19th Century Art: PR: ARH 2050 and ARH 2051. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. Occasional.

ARH 4450 CAH-ART 3(3,0)
20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of the art from Fauvism, Futurism, Cubism to the art of the present. Occasional.

ARH 4454 CAH-ART 3(3,0)
Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Rajput, and Muslim periods. Occasional.

ARH 4465 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 4480 CAH-ART 3(3,0)
Theory and Criticism of the Visual Arts: PR: ARH 2050 and ARH 2051 or C.I. Explores criteria of art criticism and theoretical approaches to art meaning through time; art examples from various periods/cultures. Occasional.

ARH 4482 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. Art history seminar for advanced students, examining major themes or issues in art history. Occasional.

ART 2100C CAH-ART 3(3,0)
Fibers & Fabrics: Design and production training in surface design, floor loom weaving and fiber sculpture. Occasional. M&S fee: $5.00


ART 2201C CAH-ART 3(2,4) Design Fundamentals-Two Dimensional: PR: C.I. Priority given to students whose major requires this course. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory. Fall, Spring. M&S fee: $15.00

ART 2201H CAH-ART 3(2,4) Honors Design Fundamentals-Two Dimensional: PR: ART 2200. Priority given to students whose major requires this course. Permission of Honors. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory with Honors content. Occasional.

ART 2203C CAH-ART 3(2,4) Design Fundamentals-Three Dimensional: PR: C.I. Priority given to students whose major requires this course. Basic three-dimensional design using the various sculptural media. Fall, Spring. M&S fee: $15.00

ART 2300C CAH-ART 3(2,4) Drawing Fundamentals I: PR: C.I. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. Fall, Spring. M&S fee: $10.00


ART 2301C CAH-ART 3(2,4) Drawing Fundamentals II: PR: ART 2300C or C.I. Priority given to students whose major requires this course. Continuation of ART 2300C. Fall, Spring. M&S fee: $10.00

ART 2394 CAH-ART 3(3,0) Drawing: Computer as a Medium: Object drawing, using the computer and drawing 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 work, ART 2201C, ART 2300C, ART 2300C. Odd Fall. M&S fee: $35.00

ART 2754C CAH-ART 3(2,4) Beginning Ceramics: PR: ART 2011C or C.I. Basic concepts of ceramic design, experience in processes of forming, decorating, glazing, and firing pottery. Fall, Odd Spring. M&S fee: $35.00

ART 2820 CAH-ART 3(3,0) Art as Interface: An overview of art department specializations, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared among the various disciplines and how knowledge of these data is used by the profession to share information with the community. Fall, Spring.

ART 2820H CAH-ART 3(3,0) Honors Art as Interface: PR: Consent of Honors. An overview of Art department specializations, and selected historical and theoretical information influencing the art curriculum. Aesthetic characteristics shared among the disciplines and their use by the profession. With Honors consent. Occasional.

ART 3161 CAH-ART 3(3,0) Mixed Media: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Concepts and techniques involving the creation of art objects by integrating painting, sculpture, drawing, design, and art history. Occasional.

ART 3170C CAH-ART 3(2,4) Bookbinding: Basic book binding techniques, methods, structures, and production of books. Occasional. M&S fee: $44.00

### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Prefix</th>
<th>credits</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ART 3175C</td>
<td>CAH-ART</td>
<td>(3,2,4)</td>
<td>Advanced Issues in Contemporary Book Arts: PR: ART 2201C, ART 2303C, ART 2360C, ART 2380C, and a satisfactory portfolio review or C.I. Technology behind making books and their production. May be repeated for credit. Fall, Spring, M&amp;S fee: $30.00</td>
</tr>
<tr>
<td>ART 3176C</td>
<td>CAH-ART</td>
<td>(3,2,4)</td>
<td>The Illuminated Book: PR: ART 2201C, ART 2300C, ART 2301C, and ART 2370C. Techniques of light and shadow in art. May be repeated for credit. Fall, Spring, M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>ART 3320C</td>
<td>CAH-ART</td>
<td>(3,2,4)</td>
<td>Calligraphy: PR: ART 2201C, ART 2300C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Occasional. M&amp;S fee: $30.00</td>
</tr>
<tr>
<td>ART 3433C</td>
<td>CAH-ART</td>
<td>(3,2,4)</td>
<td>Digital Illustration: PR: ART 6683C. Methods and media effects usually associated with traditional illustration in a digital platform. Spring. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>ART 3835C</td>
<td>CAH-ART</td>
<td>(3,2,4)</td>
<td>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, Spring. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>ART 4177C</td>
<td>CAH-ART</td>
<td>(3,2,4)</td>
<td>Commercial Book Design and Publishing: PR: ART 2201C and Junior standing or C.I. Analysis of art and design elements and their interpretation from a historical perspective. Occasional. M&amp;S fee: $25.00</td>
</tr>
<tr>
<td>ART 4226C</td>
<td>CAH-ART</td>
<td>(3,3)</td>
<td>Post Production for Animators: PR: FIL 3734C. Concepts and tools for finishing computer and traditional animations on film and video. Emphasis on post-production techniques to add life and color to a finished animation. Occasional. M&amp;S fee: $25.00</td>
</tr>
<tr>
<td>ART 4232C</td>
<td>CAH-ART</td>
<td>(3,2,4)</td>
<td>Advanced Drawing: PR: ART 2201C, ART 2300C, ART 2301C, and ART 2310C. An advanced level of study in traditional and contemporary drawing techniques. May be repeated for credit. Fall, Spring. M&amp;S fee: $30.00</td>
</tr>
<tr>
<td>ART 4402C</td>
<td>CAH-ART</td>
<td>(3,2,4)</td>
<td>Advanced Printmaking: PR: ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. Fall, Spring. M&amp;S fee: $30.00</td>
</tr>
<tr>
<td>ART 4505C</td>
<td>CAH-ART</td>
<td>(3,2,4)</td>
<td>Advanced Painting: PR: ART 2201C, ART 2300C, ART 2301C, ART 2305C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Fall, Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>ART 4634C</td>
<td>CAH-ART</td>
<td>(3,2,4)</td>
<td>Web Art: PR: ART 2201C or C.I. The Web as a medium for art. Occasional. M&amp;S fee: $15.00</td>
</tr>
</tbody>
</table>

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ART 5694  CAH-ART  3(3,0)
Crosscultural Electronic Art and Design: PR: Admission to MFA. Explores digital/electronic art and technology from the mid 20th century to present. Explores key electronic artists and issues of the "arts electronic" into the present. Spring.

ART 5695  CAH-ART  3(3,0)
WebArt II: PR: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement Websites. Projects will be determined at the outset of each semester. Spring. M&S fee: $45.00

ART 5696  CAH-ART  3(3,0)
Art, Design and Human Interactions: PR: Admission to MFA. Exploration and design of interface interactions systems and technologies in contemporary society and culture including place making, way finding, progress. Professor will meet with the class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 5 times. Fall. M&S fee: $45.00

ART 5745  CAH-ART  3(3,0)
Physical and Virtual Sculpture: PR: Acceptance to MFA in Studio Art and the Computer or C.I. A course exploring the creation of 3D sculptural objects. Fall.

ART 5698  CAH-ART  3(3,0)
Concourse I: PR: ART 5900 and ART 5820C and ART 5694, or C.I. Digital reproduction of studio works. Fall. M&S fee: $45.00

ART 5811C  CAH-ART  3(3,1)
The Professional Practice of Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisites), graduate status or senior standing, or C.I. Seminar class on professional information pertaining to professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. Fall. M&S fee: $45.00

ART 5910  CAH-ART  3(3,0)
Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty to discuss and schedule work. Professor will meet with the class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 5 times. Fall, Spring. M&S fee: $45.00

ART 5934  CAH-ART  3(3,0)

ART 5941  CAH-ART  1(1,0)
Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.

ASH 3222  CAH-HIST  3(3,0)

ASH 3223  CAH-HIST  3(3,0)
The Modern Middle East: PR: Junior standing or C.I. History of the Middle East and North Africa from the 16th century to the present. Occasional.

ASH 4304  CAH-HIST  3(3,0)

ASH 4402  CAH-HIST  3(3,0)

ASH 4404  CAH-HIST  3(3,0)
China in 16th 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: Honors 2001 and 2001 or C.I. A survey of the Tokugawa Shogunate; Western contact in the 19th century; World War I; Japanese militarism; World War II; and U.S. occupation. Occasional.

ASH 5227  CAH-HIST  3(3,0)
The Arab-Israeli Conflict: PR: Graduate status or senior standing or C.I. Course explores the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 18th century imperialism and Zionism. Occasional.

ASH 5408  CAH-HIST  3(3,0)
Colloquium in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.

ASH 5458  CAH-HIST  3(3,0)
U.S. China Relations: PR: Graduate standing or C.I. An in-depth study of the significant relations between China and the United States since the 18th century. Even Fall.

ASH 5548  CAH-HIST  3(3,0)
Japan in Transition: PR: Graduate standing or C.I. Development of modern Japan, 19th and 20th Centuries. Spring.

ASH 6444  CAH-HIST  3(3,0)

ASH 4161C  CAH-HIST  4(4,0)
American Sign Language III: PR: ASL 4150 or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasis on refining fluency. Odd Fall, Spring.

ASH 4201  CAH-HIST  4(4,0)
American Sign Language IV: PR: ASL 4150 or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasis on refining fluency. Odd Fall, Spring.

ASH 4246  CAH-HIST  3(3,0)
Structure of American Sign Language: PR: ASL 2245 and ASL 2250 or C.I. Study of phonology, syntax, semantics, and discourse structure of ASL, including an emphasis on the biological basis of language and communication. Occasional.

ASH 4435  CAH-HIST  3(3,0)
Fingerspelling: PR: ASL 2240 and ASL 2250 or C.I. The study and practice of fingerspelling techniques to improve receptive and expressive fingerspelling proficiency beyond basic skill levels. Occasional.

ASH 4700  HPA-COM SC&DIS  3(3,0)
Literature of Signed Languages: PR: ASL 2510. Overview of literature produced by Deaf communities across the world, with emphasis on the American Deaf Community. Genres include poetry, narrative, historical and cultural prose. Occasional.

AST 2002  COS-PHYS  3(3,0)
Astronomy: PR: High school algebra or MAC 1105. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.

AST 2002H  COS-PHYS  3(3,0)

AST 2002L  COS-PHYS  1(0,3)

AST 2037  COS-PHYS  3(3,0)
Life in the Universe: A thought provoking journey through solar system environments and extragalactic planets to establish the probability of life on other planets in our solar system and beyond. Occasional.

AST 2720L  COS-PHYS  1(0,2)

AST 3110  COS-PHYS  3(3,0)

AST 3211  COS-PHYS  3(3,0)

AST 3402  COS-PHYS  3(3,0)
Galaxies and Cosmology: PR: AST 2002, PHY 2053C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. Odd Fall.

AST 3722C  COS-PHYS  3(3,0)

AST 4142  COS-PHYS  3(3,0)
Asteroids, Comets, and Meteorites: PR: AST 2002 or AST 3211. Asteroids, comets, and meteors and their role in the origin and evolution of our solar system. Occasional.

AST 4152  COS-PHYS  3(3,0)

AST 4501  COS-PHYS  3(3,0)
UCF Courses and Descriptions

AST 4700 COS-PHYS 3(3,0) Experimental Methods in Astronomy: PR: AST 2002, PHY 2406, and Senior standing, or C.I. Experimental design and experimental techniques in astronomy and astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; astronomical quantification and interpretation of light. Even Spring.

AST 4762 COS-PHYS 3(3,0) Astronomical Data Analysis: PR: MAC 2313, and an upper level course in astronomy or planetary science, or C.I. Astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Odd Fall.

AST 5154 COS-PHYS 3(3,0) Advanced Planetary Geophysics: PR: Admission to Physics M.S. or Ph.D. or C.I. The physics of planetary evolution, planetary interiors, and planetary surface processes. Even Fall.

AST 5165 COS-PHYS 3(3,0) Planetary Atmospheres: PR: Mechanics PHY 3220 and Modern Physics 3311, graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Occasional.

AST 5263 COS-PHYS 3(3,0) Advanced Observational Astronomy: PR: Graduating student in the Physics department or C.I. Experimental design and experimental techniques in astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis. Even Spring.

AST 5334 COS-PHYS 3(3,0) Extrasolar Planets and Brown Dwarfs: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamics, detection, and environments. Odd Spring.

AST 5765 COS-PHYS 3(3,0) Advanced Astronomical Data Analysis: PR: MAC 2313, a 300-level or higher course in astronomy or planetary science, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Occasional.


BCH 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.

BME 5572 ECS-ECE 3(3,0) Biomedical Nanotechnology: PR: EEC 3350 or C.I. Human Physiology, Bioelectronic Phenomena and Neurons, Nanoelectronics for fabrication of biosips for human biomedical applications, self-assembly, bioelectronics, moral and ethical issues. Occasional.

BOT 3018C COS-BIOL 3(1,2) Culinary Botany Across the Cultures: PR: BOT 3800. Junior standing, or C.I. Cultural food traditions and the connections between plants and people, and health; examines the preparation methods that enhance the nutritional values. Occasional. M&S fee: $9.50.

BOT 3152C COS-BIOL 3(1,4) Local Flora: PR: BSC 2010C and BSC 2011C, or C.I. Recognition and identification of Florida higher plants, especially those common to central Florida, stressing environmental and ethnobotanical significance. Weekend field trips may be required. Occasional.

BOT 3800 COS-BIOL 3(3,0) Ethnobotany: PR: BSC 2011C or C.I. Historical and modern uses of plants economically important in various cultures. Spring.

BOT 3820C COS-BIOL 3(2,1) Plants and the Urban Environment: PR: Junior standing or C.I. The selection, placement, propagation and care of ornamental plants in residential and industrial areas. For non-majors only. Occasional. M&S fee: $15.00.


BOT 4434C COM-M&M 4(3,1) General Mycology: PR: BSC 2010C, MCB 3020C or BSC 2011C. This course is a survey of the Kingdom Fungi, covering the major topics of fungal diversity, structure, genetics, physiology, practical applications and pathogenicity. Occasional.

BOT 4503 COS-BIOL 3(3,0) Plant Physiology: PR: PCB 3023 or C.I. A study of mechanisms used by plants to cope with the environment. Occasional.


BOT 4686C COS-BIOL 4(3,3) Conservation and Management of Native Plants: PR: BOT 4713C, PCB 3044 and/or BOT 4503 or C.I. Identification, conservation, propagation and management of Florida rare, endangered, indicator or reclamation species. Occasional.


BOT 5485C COS-BIOL 3(2,3) Terrestrial Cryptogams: PR: BOT 4303C, graduate status or senior standing, or C.I. A lecture-laboratory survey course on the biodiversity and classification of terrestrial cryptogams (bryophytes, ferns, and fern allies) with special emphasis on those found in Florida. Occasional. M&S fee: $15.00.

BSC 1005 COS-BIOL 3(3,0) Biological Principles: A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors. Fall, Spring.

BSC 1005H COS-BIOL 3(3,0) Biological Principles-Honors: PR: Permission of Honors. Biological factors that affect dependence on the environment, the role of human population preserving ecological integrity. Occasional.

BSC 1005L COS-BIOL 1(0,2) Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring. M&S fee: $15.00.

BSC 1050 COS-BIOL 3(3,0) Biology and Environment: Biological implications of the interaction among human society, population, and technology in relation to the environment and natural systems. Designed for non-majors. Occasional.


BSC 1050L COS-BIOL 1(0,2) Biology and Environment Laboratory: CR: BSC 1050. The laboratory to accompany BSC 1050. Occasional. M&S fee: $15.00.

BSC 2010C COS-BIOL 4(3,2) Biology I: PR: High school biology or C.I. Open only to students whose major requires this specific course. Cellular and chemical basis of life, genetics, and the theory of evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee: $15.00.


BSC 2011C COS-BIOL 4(3,3) Biology II: PR: BSC 2010C or C.I. Open only to students whose major requires this specific course. Continuation of BSC 2010C. Organismal anatomy and physiology as it relates to biodiversity, ecology and evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee: $20.00.

BSC 2011H COS-BIOL 4(2,6) Honors Biodiversity: PR: Permission of Honors and BSC 2010H or C.I. BSC 2011C for honors students; enhanced by considerable field work, a CD-ROM text, relevant video programs and readings written by authorities in the field. Occasional.

BSC 3403C COM&M&M 4(3,4)
Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee: $25.00

BSC 3404H COM&M&M 4(3,4)
Quantitative Biological Methods-Honors: PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. Fall.

BSC 3424 COM&M&M 3(3,0)
Nanobiotechnology: PR: MCB 1210, and either CHM 2046 or PHY 2054C. Biological processes in nano scale interactions with elements of physics & engineering. Occasional.

BSC 3949 COS-BIOL 0(0,8)

BSC 4101 COS-BIOL 3(3,0)

BSC 4312C COS-BIOI 4(3,0)
Marine Biology: PR: PCB 3044 and STA 2032. The biological, ecological, physical and chemical aspects of the world's oceans. Even Spring. M&S fee: $45.00

BSC 4422L COS-BIOL 1-4(0,3-12)
Biology Laboratory Techniques: PR: PCB 3044, CHM 2210, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of typical Biology laboratories. Graded S/U. May be repeated for credit. Occasional.

BSC 4454 COS-BIOL 2(0,2)
Research in Animal Physiology: PR: PCB 4723. Development of research skills in animal physiology through hands-on experimental design, data collection, use of data analysis software, and communication of results. Occasional.

BSC 4861L COS-BIOL 3(0,3)
SL Sustainability: Socially & Economically Viable Environmental Protection: PR: BSC 2010C or C.I. A service-learning course utilizing an interdisciplinary approach to developing models and implementing programs designed to result in environmental sustainability. Occasional.

BSC 4937 COS-BIOL 2(0,2)
Instructional Experiences in Undergraduate Biology: PR: PCB 3063, Biology major with 80 semester hours and 3.0 gpa. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in a variety of university biology labs. May be repeated for credit. Graded S/U. Fall, Spring.

BSC 5258L COS-BIOL 3(3,0)
Tropical Biology Research and Conservation: PR: Graduate standing or C.I. Research and conservation in New World tropics, including a field trip to Belize. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. Occasional.

BSC 5316 COS-BIOL 3(3,0)
Marine Conservation Biology: PR: BSC 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.

BSC 5332 COS-BIOL 3(3,0)
Invasion Biology: PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread), as well as impacts on native species and ecosystems. Even Spring.

BSC 5408L COS-BIOL 3(0,9)
Advanced Ecology Laboratory Techniques: PR: BS degree. C.I. This course will emphasize these biological techniques and resources necessary for students about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches, and hands-on practice of techniques will be stressed. May not be repeated for credit. Occasional. M&S fee: $15.00

BSC 5418 COM&M&M 3(3,0)
Tissue Engineering: PR: Graduate standing. Introduction to Tissue Engineering with a special emphasis on the current status of the field, on novel methods and on cell and tissue material interactions. Occasional.

BSC 5817 COS-BIOL 2(0,2)
Biography for AP Teachers: PR: Graduate status or senior standing or C.I. Participants will perform and evaluate the 12 required labs, analyze the design and grading of the exam, and develop a representative program. Occasional.

BSC 5821 COS-BIOL 4(4,0)
Biogeography: PR: Graduate standing or C.I. Study of geographic variation in nature, ranging from past to present and from genes to ecosystems. Occasional. M&S fee: $15.00

BTE 4410 ED-TLP 3(3,0)
Course Construction in Business Education: PR: EVT 3365 or C.I. An overview and examination of business curriculum and methodology integrated into the vocational frameworks. Planning and preparation of materials, managing the laboratory and involvement in vocational student organizations. Occasional.

BUL 3130 BA-ACCT 4(4,0)
Legal & Ethical Environment of Business: PR: Junior standing and business major or minor. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT 4(4,0)
Legal & Ethical Environment of Business - Honors: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. Occasional.

BUL 4540 BA-MAN 3(3,0)

BUL 5332 BA-ACCT 3(3,0)
Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in term of graduation. BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.

BUL 5810 BA-ACCT 3(3,0)
Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. Occasional

CAP 4053 ECS-CS 3(3,0)
AI for Game Programming: PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 4104 ECS-CS 3(3,0)

CAP 4453 ECS-CS 3(3,0)
Robot Vision: PR: COP 3503C and MAC 2312, or C.I. Perspective and orthographic projections; the processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. Fall, Spring.

CAP 4630 ECS-CS 3(3,0)

CAP 4720 ECS-CS 3(3,0)
Computer Graphics: PR: COP 3503C and COT 3960 and MAC 2147 or equivalent. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics APIs. Occasional.

CAP 5015 ECS-CS 3(3,0)
Multimedia Compression on the Internet: PR: Seniors and graduate students with interest in internet technology. Multimedia; internet technology; entropy; compression methods; lossy compression; vector quantization; transform coding; wavelet video compression; model-based compression. Occasional.

CAP 5055 ECS-CS 3(3,0)
AI for Game Programming: PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 5066 ECS-CS 3(3,0)
Web Application Authoring Tools: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining Web sites, and methodologies for; determining which tool is best suited for a particular application environment. Fall.

CAP 5415 ECS-CS 3(3,0)
Computer Vision: PR: COP 3503C, MAC 2312 and COT 3960. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

CAP 5419 ECS-CS 3(3,0)

CAP 5510 ECS-CS 3(3,0)
Bioinformatics: PR: Background in programming language or molecular biology. This course introduces problems, concepts, algorithms, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.
UCF Courses and Descriptions

CAP 5512 ECS-CS 3(3,0)
Evolutionary Computation: PR: CAP 4630 or C.I. This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. Spring.

CAP 5610 ECS-CS 3(3,0)

CAP 5636 ECS-CS 3(3,0)

CAP 5725 ECS-CS 3(3,0)
Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphic systems. Spring.

CBH 3003 COS-PSYCH 3(3,0)
Comparative Psychology: PSY 5021. A study of comparative behaviors of lower animals. Occasional.

CCE 4003 ECS-CEE 3(3,0)
Introduction to the Construction Industry: PR: EGN 3613, ENV 3001, EGN 3310 with a grade of 'C' or better. Project delivery systems, construction contracts; estimating and scheduling, ethics and labor issues. Fall.

CCE 4004 ECS-CEE 3(3,0)

CCE 4034 ECS-CEE 3(3,0)
Construction Estimating and Scheduling: PR: CCE 4003. Construction project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. Fall.

CCE 4402 ECS-CEE 3(3,0)

CCE 4523 ECS-CEE 3(3,0)

CCE 5205 ECS-CEE 3(3,0)
Construction Methods: PR: Post-bac status or C.I. This class covers construction project evaluation principles along with construction methods for civil and structural systems. Occasional.

CCE 5406 ECS-CEE 3(3,0)

CCE 5615 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-C/LJ 3(3,0)
Crime in America: A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of criminal behavior. Fall, Spring.

CCJ 3024 HPA-C/LJ 3(3,0)
Criminal Justice System: An examination of the components and of their interdependence in light of their traditional autonomy. Fall, Spring.

CCJ 3058 HPA-C/LJ 3(3,0)

CCJ 3450 HPA-C/LJ 3(3,0)
The Criminal Justice Manager: PR: CCJ 3024 or C.I. Elements of first-line supervision and executive development. Administrative leadership; its nature; methods, and traits. Recent theories and research in leadership. Occasional.

CCJ 3451 HPA-C/LJ 3(3,0)
Justice System Technology: PR: CCJ 3024 or C.I. Examination of the relevance of scientific and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.

CCJ 3483 HPA-C/LJ 4(4,0)
Labor Relations in Criminal Justice: PR: CCJ 3024 and CCJ 3450 or C.I. Examine the role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. Occasional.

CCJ 3667 HPA-C/LJ 3(3,0)
Victims and the CJ System: PR: CCJ 3024. Course examines victims as they affect the Criminal Justice System, the dimensions of criminal victimization, and victim offender programs. Occasional.

CCJ 4035 HPA-C/LJ 3(3,0)
Crime and the Media: PR: CCJ 3024 or C.I. Study how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system. Fall, Spring.

CCJ 4054 HPA-C/LJ 3(3,0)
Criminal Justice Ethics: Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.

CCJ 4076 HPA-C/LJ 3(3,0)
Crime Analysis II: PR: CJE 4654, CJE 4663. Designed to provide advanced data analysis skills that will enable a criminal analysis sophisticated methodologies to crime analysis. Occasional.

CCJ 4120 HPA-C/LJ 3(3,0)
Crime Diversity in Criminal Justice: PR: CCJ 3024. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. Occasional.

CCJ 4195 HPA-C/LJ 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-C/LJ 3(3,0)
Famous Crimes & Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. Occasional.

CCJ 4361 HPA-C/LJ 3(3,0)
Death Penalty: PR: CCJ 3004. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. Occasional.

CCJ 4461 HPA-C/LJ 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 4464 HPA-C/LJ 3(3,0)

CCJ 4651 HPA-C/LJ 3(3,0)
Drugs and Crime: Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

CCJ 4670 HPA-C/LJ 3(3,0)
Women and Crime: This course covers women in criminal justice as offenders and prisoners, as well as crime victims and professionals working in the system. Occasional.

CCJ 4681 HPA-C/LJ 3(3,0)

CCJ 4690 HPA-C/LJ 3(3,0)
Sex Offenders and the Criminal Justice System: PR: CCJ 3024 or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.

CCJ 4701 HPA-C/LJ 3(3,0)
Research Methods in Criminal Justice: An overview of the social science research methodology used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. Fall, Spring.

CCJ 4934 HPA-C/LJ 1-3(1-3,0)
Emergent Criminal Justice Issues: PR: CCJ 3014, CCJ 3024 or C.I. Developing trends and issues in criminal justice facing administrators, practitioners, and researchers. May be repeated for credit. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Instructorship</th>
<th>Prerequisites</th>
<th>Curriculum Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA 5110</td>
<td>ECS-CS</td>
<td>Parallel Architecture and Algorithms</td>
<td>3(3,0)</td>
<td>PR: COT 4210, CDA 5106. General-purpose vs. special-purpose parallel systems, threads, memory, data parallelism, memory hierarchy, and O/O. Fall, Spring.</td>
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<tr>
<td>CDA 5115</td>
<td>ECS-CS</td>
<td>Architecture and Design of VLSI</td>
<td>3(3,0)</td>
<td>Overview of VLSI technology. Logical design of basic systems, integrated system design tools; design of a VLSI computer system. Occasional.</td>
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<tr>
<td>CDA 5215</td>
<td>ECS-CS</td>
<td>Performance Models of Computers and Networks</td>
<td>3(3,0)</td>
<td>PR: Senior standing or beginning graduate student. Performance Models of Computer Systems and Networks using probability models and discrete event simulations. Queueing Theory and modeling tools. Occasional.</td>
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</tr>
<tr>
<td>CDA 5530</td>
<td>ECS-CS</td>
<td>Network-Centric Computing</td>
<td>3(3,0)</td>
<td>PR: Graduate standing. Concepts in network-centric computing and process coordination in information grids. Occasional.</td>
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<tr>
<td>CEG 3301</td>
<td>ECS-CJ</td>
<td>Engineering and Environmental Geology</td>
<td>3(3,0)</td>
<td>PR: EGN 3331 with a grade of &quot;C&quot; (2.0) or better. Concepts in engineering geology, with emphasis on engineering and environmental topics. Study of land forms, geologic maps, geologic structure, weathering, groundwater, mass wasting, and earthquakes. Occasional.</td>
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<tr>
<td>CEG 4011C</td>
<td>ECS-CJ</td>
<td>Geotechnical Engineering I</td>
<td>4(3,2)</td>
<td>PR: EGN 3331 or equivalent. Principles of geotechnical engineering, with emphasis on the conceptual basis, understanding, and skills necessary for complex crime data manipulation. Fall.</td>
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<tr>
<td>CEG 4801C</td>
<td>ECS-CJ</td>
<td>Geotechnical Engineering Design</td>
<td>3(2,2)</td>
<td>PR: EGN 3331 or equivalent. Engineering properties and classification of soils. Design considerations for compaction, seepage, consolidation, and settlement analysis. Fall, Spring. M&amp;S fee: $30.00</td>
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<tr>
<td>CEG 4812</td>
<td>ECS-CJ</td>
<td>Historical Developments in Civil Engineering</td>
<td>1(1,0)</td>
<td>Seminar covering major historical developments in civil engineering. Occasional.</td>
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<tr>
<td>CEG 5015</td>
<td>ECS-CJ</td>
<td>Engineering Geology</td>
<td>3(3,0)</td>
<td>Geotechnical applications to environmental problems, groundwater flow, soil contamination and groundwater transport, geosynthetic and stability of landfill design, control of contaminated sites. Occasional.</td>
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<tr>
<td>CEN 4020</td>
<td>ECS-CS</td>
<td>Component-based Engineering Software</td>
<td>3(3,0)</td>
<td>Component-based Engineering Software. PR: EEL 4851C, EEL 4882. Spring, Fall. Component-based software development including analysis design and implementation of correct and re usable software in different component levels. Occasional.</td>
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<tr>
<td>CEN 5016</td>
<td>ECS-CS</td>
<td>Software Engineering</td>
<td>3(3,0)</td>
<td>PR: COP 4331. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.</td>
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</tbody>
</table>
UCF Courses and Descriptions

CET 5706  ECS-CCE  3(3,0)
Advanced Reinforced Concrete: PR: CET 4702 or C.I. Design of frames, two-way floor systems, shear walls, shear and torsion; compression field theory; inelastic analysis; wind and seismic design; introduction to prestressed concrete. Occasional.

CET 5821  ECS-CCE  3(3,0)
Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.

CET 2124  ECS-ENT  3(3,0)
Microcomputer Technology I: PR: High level programming language. Microcomputer assembly programming, including overview of architecture and operating system environment. Fall.

CET 2364  ECS-ENT  3(3,0)
Systems Applications in C++: PR: MAC 1105 or C.I. Use of C language in control of system processes, DOS and BIOS interrupts, and interfacing with assembly language. Introduction to programming techniques and the C++ programming languages. 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 3115C  ECS-ENT  4(3,2)
Digital Technology: PR: MAC 1105 and C.I. Digital logic gates, memory devices, Karnaugh Maps, combinational logic, arithmetic units, registers and sequential logic. Fall, Spring.

CET 3198C  ECS-CCE  3(3,2)
Digital Systems: PR: DC Circuits and Digital Circuits I. Finite State Machines and Algorithmic State Machines, includes design, synthesis and implementation of a digital system using schematic capture and VHDL. Spring. M&S fee: $12.00.

CET 3383  ECS-ENT  3(3,0)
Applied Systems Analysis I: PR: CET 2364 or equivalent. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. May be repeated for credit. Spring.

CET 3529  ECS-ENT  3(3,0)
Linux/Unix System Admin and Applications: PR: CET 2364 or equivalent. Installation, creation and maintenance of file systems, backups, and configuration. Fall, Spring.

CET 3679  ECS-ENT  3(3,0)
Intro to Telephony: PR: EET 3065C or equivalent or C.I. An introductory level course in telephony technology. The telephony environment, telemanagement, telephony connectivity and services of telephony. Fall.

CET 4134C  ECS-CCE  3(2,4)
Microprocessor Electronics II: PR: Digital Circuits I or C.I. Architecture and application 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-CCE  3(3,2)
Digital Programmable Devices: PR: CET 3198C or equivalent. The MC68000 Software and architecture programming, and various types of programmable logic devices. Design entry methods, e.g. HDL, schematic capture, etc. Lab exercises using PALs, PLDs, and FPGA's. Occasional.

CET 4333  ECS-ENT  3(3,0)

CET 4334C  ECS-ENT  3(2,2)

CET 4427  ECS-ENT  3(3,0)
Applied Database I: PR: CET 2364 or equivalent. Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project. May be repeated for credit. Fall, Spring.

CET 4469C  ECS-ENT  3(2,2)

CET 4483  ECS-ENT  3(3,0)
Intro to Local Area Network Technology: PR: CET 3383C or equivalent or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. May be repeated for credit. Spring.

CET 4505  ECS-ENT  3(3,0)
Applied Operating Systems I: PR: CET 2364. Modifying the operating 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 main, micro's, databases, software, communications, and data base technology into a responsive information system. Occasional.

CET 4583  ECS-ENT  3(3,0)
Web Based Systems I: PR: CET 2364. Introduction to web systems with emphasis on server configuration, web standards, and portal design. Occasional.

CET 4584  ECS-ENT  3(3,0)
Web Based Systems II: PR: CET 4583. Advanced web design concentration on use of current technology (CGI, Java, XML, DHTML) to provide interactivity. Fall.

CET 4663  ECS-ENT  3(3,0)

CET 4668  ECS-ENT  3(3,0)

CET 4741L  ECS-CS  3(0,3)
Computer Networking Laboratory: PR: C.I. Laboratory exercises to enhance the understanding of concepts/principles discussed in computer networking and data communication texts. Occasional.

CET 4748  ECS-ENT  3(3,0)
Wide Area Networks I: PR: CET 3679 or CET 4483, or C.I. Designing Wide Area Networks; determining requirements, designing the networks, 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 4931  ECS-ENT  3(3,0)
Current Topics in Technology: PR: C.I. Study of recent state-of-the-art computer related topics from recognized electronics and computer oriented technical journals and texts. Requires written and verbal communication. Occasional.

CET 5012  ECS-ENT  3(3,0)
Information and Communications Infrastructure: PR: Graduate standing or C.I. This course provides an overview of information systems in the technology world. Topics include hardware, software, databases and related technologies, and telecommunications systems. Fall.

CGN 3501C  ECS-CCE  3(2,3)
Civil Engineering Materials: PR: EGN 3331 with a grade of "C" (2.0) or better. CHM 2468. The characterization of materials used in civil engineering works to include concrete, bituminous, polymers and composite materials. Fall, Spring. M&S fee: $30.00.

CGN 4300  ECS-CCE  3(3,0)
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  ECS-CCE  3(3,0)
Public Works Engineering: PR: ENV 3001 and CWR 3201. An overview of planning, design, operation and maintenance of public works, with emphasis on water and wastewater treatment plants. May be repeated for credit. Occasional.

CGN 4808C  ECS-CCE  3(2,2)
Civil Engineering Capstone Design: PR: one of the following courses - TTE 4601C, CES 4068C, CWR 4812C, ENV 4562C, CEG 4801C, or CES 4808C. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Fall, Spring.
CGN 5320C ECS-CEE 3(2,2) Geographic Information systems: Programming theory and application of Geographic Information Systems to Civil Engineering projects. Occasional.

CGN 5504C ECS-CEE 3(2,2) Civil Engineering Materials: PR: EGN 3365, 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) Asphalt Concrete Mix Design: PR: CEG 4011C. Properties of asphalt, aggregate and asphalt mixtures, Marshall mix design, Hveem mix design, pavement reha-

COS 1060C ECS-CS 3(2,2) 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.


COS 2545C ECS-CS 3(2,1) Database Concepts: PR: CGS 1060C or equivalent. Entity-relation model, relational database management systems, normal forms, performance or databases, report gen-

COS 2585C ECS-CS 3(2,1) Desktop Internet Publishing: PR: CGS 1060C or equivalent. Principles and techniques of page layout and formatting for documents and newsletters, presentation techni-

COS 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.


COS 4144 ECS-CS 3(3,0) Introduction to Informatics: PR: PR: COS 3175 and HIM 3006. Computers and mechanical intelligence. The informa-


CHI 1120C CAH-LANG 4(3,1) Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall.

CHI 1120H CAH-LANG 4(4,0) Honors Elementary Chinese Language and Civilization I: PR: Permission of Honors. Introduces the student to Chinese culture through the major language skills: Listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level content. Occasional.


CHI 2200 CAH-LANG 3(3,0) Intermediate Chinese I: PR: CHI 1121C or equivalent or C.I. Development of Chinese language skills at the intermediate level. Fall, Spring.

CHI 2201 CAH-LANG 3(3,0) Intermediate Chinese II: PR: CHI 2200 (Intermediate Chinese I). Continuation of Chinese with emphasis on Chinese cultures. Fall, Spring.

CHM 1020 COS-CHEM 3(3,0) Concepts in Chemistry: PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall, Spring.

CHM 1032 COS-CHEM 3(3,0) General Chemistry: PR: MAC 1105 or MGF 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The “NC” grading policy applies to this course. Fall, Spring.

CHM 1032L COS-CHEM 1(0,3) General Chemistry Laboratory: PR: or CR: CHM 1032. Preference will be given to students whose major requires this course. An introductory study of physical and chemical properties of elements and compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately drop the class. Spring. M&S fee: $45.00.

CHM 2040C COS-CHEM 3(2,1) Chemistry Fundamentals I: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105 recommended. Not open to students with credit in both CHM 2040C and CHM 2041C. Basic chemistry and stoichiometry, states of matter, reaction rates and equilibria, thermodynamics, and kinetics. The “NC” grading policy applies to this course. Fall, Spring. M&S fee: $25.00.

CHM 2040H COS-CHEM 4(3,1) Honors Chemistry Fundamentals I: PR: High school chemistry and permission of Honors. Not open to students with credit in both CHM 2040C and CHM 2041C. Same as CHM 2045C with honors-level content. Fall, Spring. M&S fee: $25.00.

CHM 2046 COS-CHEM 3(3,0) Chemistry Fundamentals II: PR: “C” grade or better in CHM 2045C or CHM 2041C. Continuation of CHM 2045C or the CHM 2040C & CHM 2041C sequence. Fall, Spring.

CHM 2046H COS-CHEM 3(3,0) Honors Chemistry Fundamentals II: PR: CHM 2045H and permission of Honors. Same as CHM 2046 and CHM 2046L with honors-level content. Spring. M&S fee: $35.00.

CHM 2046L COS-CHEM 1(0,3) Chemistry Fundamentals Laboratory: CR: CHM 2046. Illustration of chemical principles and introduction to the tech-

CHM 205 COS-CHEM 5(5,0) Introduction to Organic and Biochemistry: CR: 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.

CHM 2110 COS-CHEM 3(3,0) Organic Chemistry I: PR: CHM 2046. Theory and applica-

CHM 2111L COS-CHEM 2(0,6) Organic Laboratory Techniques I: CR: CHM 2110. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately drop the class. Spring. M&S fee: $45.00.

CHM 3120 COS-CHEM 3(3,0) Analytical Chemistry I: PR: CHM 2046, CHM 2046L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. Fall, Spring.

CHM 3120L COS-CHEM 1(0,3) Analytical Chemistry Laboratory: PR: CHM 2046, CHM 2046L, and PR or CR: CHM 3120. Experimental exercise of qualitative and quantitative methods of analysis using gravimetric, colorimetric, titrimetric, potentiometric and photometric methods of analysis including statistical treatment of experimental data. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately drop the class. Occasional. M&S fee: $25.00.
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CHM 3212L COS-CHEM 2(0.6)
Organic Laboratory Techniques II: PR: CHM 2211 and CHM 2211L. Open-end laboratory to develop synthesis techniques and structure elucidation skills. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall. M&S fee: $45.00

CHM 3410 COS-CHEM 4(3.1)
Physical Chemistry I: PR: CHM 2046, PHY 2049, and MAC 2311. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. Fall.

CHM 3411 COS-CHEM 3(3.0)

CHM 3411L COS-CHEM 2(0.6)
Physical Chemistry Laboratory: PR: CHM 3120 and CR: CHM 3411. Classical as well as modern instrumental techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. Spring. M&S fee: $94.00

CHM 3422 COS-CHEM 3(3.0)
Applied Physical Chemistry: PR: PHY 2049 and PHY 2085 and MAC 2311. Physical chemistry as applied to the study of biological and forensic science. Fall.

CHM 4130 COS-CHEM 3(3.0)
Advanced Analytical Laboratory Technique: PR: CHM 2211 and CHM 3210 (with a minimum grade of “C” or 2.0) and CR: CHM 3411 or PR: CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring.

CHM 4130L COS-CHEM 2(0.6)
Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. This course focuses on the experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&S fee: $25.00

CHM 4220 COS-CHEM 3(3.0)

CHM 4610 COS-CHEM 3(3.0)

CHM 4610L COS-CHEM 2(0.6)
Inorganic Chemistry Laboratory: CR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. Fall. M&S fee: $25.00

CHM 4914C COS-CHEM 1(1.1)
Undergraduate Research Methods: PR: CHM 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.

CHM 4930 COS-CHEM 1(1.0)
Undergraduate Chemistry Seminar: PR: CHM 3411 and CHM 4014C. A topic of current chemical interest will be presented by students at a regularly scheduled departmental seminar. May be used in the degree program a maximum of 2 times. Fall. Spring.

CHM 5225 COS-CHEM 3(3.0)
Advanced Organic Chemistry: PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.

CHM 5235 COS-CHEM 3(3.0)
Applied Molecular Spectroscopy: PR: CHM 3120 and CHM 2211, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.

CHM 5305 COS-CHEM 3(3.0)
Applied Biological Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. Occasional.

CHM 5450 COS-CHEM 3(3.0)
Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.

CHM 5451C COS-CHEM 3(1.5)
Techniques in Polymer Science: PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Spring. M&S fee: $45.00

CHM 5580 COS-CHEM 3(3.0)
Advanced Physical Chemistry: PR: CHM 3411 and CR: MAC 2313, and graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. Occasional.

CHM 5715C COS-CHEM 3(2.3)
Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 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.

CHS 1440 COS-CHEM 4(3,1)
Fundamentals of Chemistry for Engineers: PR: Any year of high school chemistry or CHM 1032. Basic concepts of chemistry with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, equilibrium, electrochemistry and thermodynamics. The “NC” grading policy applies to this course. Fall. Spring.

CHS 3501 COS-CHEM 3(3.0)
Introduction to Forensic Science: PR: C grade or better in CHM 2046 & L, or C.I. Intended for majors and non-majors to provide an overview of the specialty areas in Forensic Science (crime lab). Spring.

CHS 3502C COS-CHEM 4(2,6)
Forensic Microscopy: PR: C grade or better in CHM 2046 & L, PHY 2054 & C and CHS 3501. The study of the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&S fee: $45.00

CHS 3511C COS-CHEM 4(2.6)
Trace Evidence: PR: C grade or better in CHS 3505C. An advanced study of the techniques used to identify and compare trace evidence. Spring. M&S fee: $45.00

CHS 3514C COS-CHEM 3(2,3)
Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analysis of evidence from a post blast bombing crime scene. May be repeated for credit. Occasional.

CHS 3530C COS-CHEM 4(3,3)
Forensic Analysis of Controlled Substances: PR: C grade or better in CHM 3120, CHS 3410, CHM 2211, CHM 2211L, and CHS 3505C. Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall. M&S fee: $45.00

CHS 3533 COS-CHEM 2(2.0)
Forensic Biochemistry I: PR: C or better in BSC 2010C, PCB 3063 & L, and PCB 3233 & L. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall. M&S fee: $30.00

CHS 3533L COS-CHEM 1(0.3)
Forensic Biochemistry I Laboratory: PR: C or better in BSC 2010C, PCB 3063 & L, PCB 3233 & L. An introduction to techniques and procedures used in operational crime laboratories in the U.S. Fall.

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)
Interpretation of DNA Evidence: PR: 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)
Forensic Investigation Technology: PR: Grade of “C” or better in CHS 3533C. Concepts and principles of forensic data analysis as applied to forensics. Occasional.

CHS 4534C COS-CHEM 3(1.6)
Forensic Chemistry II: PR: CHS 3533C and C.I. Advanced treatment of the theoretical and practical aspects of forensic DNA analysis and the use of population genetics and forensic data analysis for evidence interpretation. Spring. M&S fee: $45.00

CHS 4537 COS-CHEM 2(2.0)
Forensic Laboratory Quality Assurance: PR: Grade of “C” or better in CHS 3510, CHS 3505C, 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/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.

CHS 4591 COS-CHEM 4(0,40) Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 600 hours) for a professional forensic laboratory. May be repeated for credit. Occasional.

CHS 4615 COS-CHEM 3(3.0) Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5002 COS-CHEM 3(3.0) Principles of Forensic Science: PR: Admission to Forensic Science MS program or C.I. Principles of forensic science crime scene investigation, concepts in physical and biological evidence, evidence collection and transport, discrimination and individualization of evidence. Occasional.

CHS 5003 COS-CHEM 3(3.0) Topics in Forensic Science: PR: Graduate status or C.I. Will include the history of Forensic Science and current issues such as Digital Evidence. Occasional.

CHS 5518 COS-CHEM 3(3.0) The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic Science, graduate status, or C.I. This course will cover the nature of Digital Evidence collection and examination under the constraints of Law and courtroom procedures. Occasional.

CHS 5596 COS-CHEM 3(3.0) The Forensic Expert in the Courtroom: PR: CHS 3533, CHS 6535, CHS 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. Spring.


CIS 4615 ECS-CS 3(3.0) Secure Software Development and Assurance: PR: (COP 4600 or CGS 3763) and (CIS 3360 or CIS 3362) or C.I. Thread modeling. Secure code lifecycle. Buffer overflows, race conditions and format string problems, inputs and clients, File system, Cryptography applications. UMLsec, Java security and Reverse engineering. Occasional.


CJC 3164 HPA-CJ/LS 3(3.0) Community-Based Corrections: PR: CCJ 3024 and CJC 3010 or C.I. An overview and analysis of correction interventions and treatment programs in the community. Occasional.


CJE 3001 HPA-CJ/LS 3(3.0) Careers in Criminal Justice: PR: CCJ 3024 or C.I. Introductory course with focus on components of the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. Fall. Spring.


CJE 3662 HPA-CJ/LS 3(3.0) CJ Information Technology and Data Management: PR: CCJ 3024. Designed to familiarize with concepts of databases, uses, and applicability to crime analysis. Occasional.

CJE 4012 HPA-CJ/LS 3(3.0) Criminal Profiling in Criminal Justice: PR: CCJ 3014 or C.I. Examines criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.

CJE 4014 HPA-CJ/LS 3(3.0) Police and Society: PR: CCJ 3024 or C.I. An examination of the varied roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall. Spring.


CJE 4350 HPA-CJ/LS 3(3.0) Policy Development in Law Enforcement: PR: CJE 4014. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. Occasional.

CJE 4410 HPA-CJ/LS 3(3.0) Community Policing: PR: CCJ 3014, CJE 4014. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. Occasional.


CJE 4610 HPA-CJ/LS 3(3.0) Criminal Investigation: PR: CJE 4014. Course acquaints students with basic Procedures used in Criminal investigations, purpose of emerging technologies, and ingredients for successful investigations. Fall. Spring.


CJE 4663 HPA-CJ/LS 3(3.0) Crime Analysis I: PR: CJE 4654. Provides the essential data analysis skills necessary to effectively analyze crime, understand crime data structures and the problems inherent in crime data. Occasional.


CJU 3014H HPA-CJ/LS 3(3.0) Honors Juvenile Offenders: An Integrative Perspective: PR: Permission of Honors. To provide students with an integrative understanding of the social, psychological, and legal dynamics evident in processing juvenile offenders. Occasional.
UCF Courses and Descriptions

CJJ 4564 HPA-CJ/LS 3(3,0) Delinquency Control: PR: CCJ 3024 and C.I 3510 or C.I. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Fall, Spring.

CJJ 3110 HPA-CJ/LS 3(3,0) Crime and Law in Action: Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.

CJJ 3510 HPA-CJ/LS 3(3,0) Prosecution and Adjudication: PR: CCJ 3024 or PLA 3013 or C.I. Examination of structures and goals of offices and prosecution and criminal trial courts, and of the processes of changing, adjudicating, and sentencing defendants. Fall, Spring.

CJJ 4010 HPA-CJ/LS 3(3,0) Legal Aspects of Policing: PR: CJE 4014. The legal dimensions of various police decision-making stages, including stops and frisks; arrests; searches and seizures writespapers; and, interrogations. Occasional.

CJJ 4046 HPA-CJ/LS 3(3,0) Liability Issues in Criminal Justice: PR: CCJ 3024. Student of fundamental concepts found in civil law with an emphasis on civil liability regarding criminal justice practices. Occasional.

CJJ 4410 HPA-CJ/LS 3(3,0) Legal Aspects of the Criminal Court Process: PR: CJL 3510. The legal dimension of various criminal court decision making stages, including: bail; charging; preliminary hearing; grand jury; pretrial hearings plea hearings; trial; and, sentencing. Occasional.


CJL 5049 HPA-CJ/LS 6(6,0) International Perspectives on Law and Justice: PR: C.I or graduate standing. Examination of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. Occasional.


CJT 3821 HPA-CJ/LS 3(3,0) Practical Security Applications: An examination of basic security principles applied to practical specific security situations encountered in the Central Florida area. Occasional.

CJT 4843 HPA-CJ/LS 3(3,0) Risk Management in Criminal Justice/Private Security: PR: SCC 331. This course examines the concept of risk management in a criminal justice context. Occasional.


CLP 3143 COS-PSYCH 3(3,0) Abnormal Psychology: PR: PSY 2012 and PPE 3003. Classification, causation, and treatment of deviant patterns of behavior. Fall, Spring.


CLP 3184 COS-PSYCH 3(3,0) Women’s Mental Health: PR: PSY 2012. Social and cultural factors of mental health issues and conditions that are unique to or primarily impact women in the U.S. today. Occasional.

CLP 3302 COS-PSYCH 3(3,0) Clinical Psychology: PR: PPE 3003 and CLP 3143. An overview of approaches to psychopathology, methods of clinical assessment, and various approaches to individual and group counseling. Fall, Spring.

CLP 3413 COS-PSYCH 3(3,0) Contemporary Behavior Therapy: PR: CLP 3143. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for specific behavior disorders. Occasional.

CLP 3467C COS-PSYCH 3(2,2) Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 2012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. Occasional.


CLP 4314 COS-PSYCH 3(3,0) Health Psychology: PR: CLP 3143, PSB 3002, PPE 3003. Interactions between psychosocial and physical conditions, in prevention, diagnosis, intervention and health care delivery policy planning. Course will cover empirical phases for prevention, assessment and intervention approaches for these local areas: cancer, chronic heart disease, diabetes, HIV disease, pain and stress. Occasional.

CLP 4390 COS-PSYCH 3(3,0) Forensic Psychology: PR: PSY 2012 and SOP 3751. Clinical practice of psychology within the legal system, including forensic evaluation of competency/insanity, treatment, and criminal profiling. Spring.


CLP 5166 COS-PSYCH 3(3,0) Advanced Abnormal Psychology: PR: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture. Laboratory. Occasional.

CLP 5187 COS-PSYCH 3(3,0) Mental Health and Aging: PR: Graduate status or senior standing or C.I. Introduction to assessment and intervention issues, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.

CLT 3370 CAH-PHIH 3(3,0) Classical Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 2210, or LIT 2110. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.

CLT 3378 CAH-PHIH 3(3,0) Comparative Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 2210, LIT 2110, or CLT 3370. Common themes found in the myths of various cultures; theories of their origins, meaning and value in human experience. Occasional.

CLO 4240 COS-R/TV 3(1,2) Corporate/Institutional Video: PR: RTVF 3200, RTVF 3260C (RTV 3260C may be taken concurrently). Preparation of non-broadcast corporate/institutional video programs including planning, budgeting, production, and evaluation. Occasional.


CJT 4403 ECS-CS 3(3,0) Network Security and Privacy: PR: (CJT 3004 or CBT 4403) and (CBS 3360 or CBS 3362) or C.I. Fundamentals of network security, protocols, secure applications, network intrusion detection, security policy, firewalls, and privacy issues. Occasional.

CJT 4703C ECS-CS 3(1,2) Design and Implementation of Computer Communication Networks: PR: CBT 3004, COP 3502C, MAD 2104 or COP 3100C. Data communication networking technologies (TOP/IP, Ethernet, Gigabit Ethernet, ATM, Frame Relay), products (routers, switches, adapters, cabling). Base design and detailed configuration including hands-on exercises. Fall, Spring. M.F.G. $16.00.

CJT 4704 ECS-CS 3(3,0) Analysis of Computer Communication Networks: PR: CBT 3000C, STA 2013, MAC 2311. Network design using layering, introduction networking topologies, architecture, hardware and software. Includes performance and control issues such as congestion control, error control, contention resolution. Occasional.


COM 1000 COS-COMM 3(3,0) Introduction to Communication: PR: C.I. Survey course introducing students to theory, research, and practical principles associated with human communication in interpersonal, public, and professional contexts. Fall, Spring.

COM 2347C COS-COMM 1(1,1) Sports Speaking and Interviewing: PR: SPC 1608. Practicum to prepare students to speak in public forums and to participate in interviews with the mass media. Graded S/U. Occasional.

COM 3011C COS-COMM 3(3,0) Communication and Human Relations: PR: or CR: COM 311. Semantics; symbols and meaning and their relationship with human behavior. Fall, Spring.

COM 3013 COS-COMM 3(3,0) Communication and the Family: PR: SPC 1608. The ways members of a family unit interact verbally and nonverbally to influence one another. Even Fall.

COM 3110 COS-COMM 3(3,0) Business and Professional Communication: PR: Majors only. SPC 1608 or C.I. Theoretical and practical training in effective presentational speaking for business and professional settings. Fall, Spring.
COM 3110H ECS-COMM 3(3,0)
Honors Business and Professional Communication: PR: Majors only. SPC 1608 or C.I. and consent of Honors. Theoretical and practical training in effective presessional speaking for business and professions. With Honors content. Occasional.

COM 3120 COS-COMM 3(3,0)
Organizational Communication: PR: COM 3311. A study of communication functions and problems within the contexts of hierarchies. Fall, Spring.

COM 3311 COS-COMM 3(3,0)
Communication Research Methods: PR: STA 2044C. Research methods used in communication. Understanding and interpretation of original research emphasized. Fall, Spring.

COM 3330 COS-COMM 3(3,0)
Computer Mediated Communication: PR: CGS 1060C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. Even Spring.

COM 3332 COS-COMM 3(3,0)
Communication, Technology, and Change: PR: SPC 1608. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. Spring.

COM 3406 COS-COMM 3(3,0)

COM 4014 COS-COMM 3(3,0)
Gender Issues in Communication: PR: SPC 1608 and Junior Standing. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Occasional.

COM 4461 COS-COMM 3(3,0)
Intercultural Communication: Study of variables affecting messages and participants in intercultural contexts. Fall, Even Spring.

COM 4462 COS-COMM 3(3,0)
Conflict Management: PR: COM 3311. The study of communication in everyday conflicts. Fall, Spring.

COP 2500C ECS-CS 4(3,1)
Concepts in Computer Science: Fundamentals of fundamental concepts in programming 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 I/O libraries. Fall, Spring.

COP 3330 ECS-CS 3(3,0)
Object Oriented Programming: PR: COP 3223. Object oriented programming concepts (classes, objects, methods, encapsulation, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA. Fall, Spring.

COP 3402 ECS-CS 3(3,0)
Systems Software: PR: COP 3502C. Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

COP 3502C ECS-CS 3(3,0)
Computer Science I: PR: COP 3223 and MAC 1106. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Fall, Spring.

COP 3502H ECS-CS 3(3,0)

COP 3503C ECS-CS 4(3,1)
Computer Science II: PR: COP 3502C and COP 3100C and (MAD 2104 and COP 3330). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. Fall, Spring.

COP 3503H ECS-CS 4(3,1)
Honors Computer Science II: PR: Permission of Honors and (COP 3502H or COP 3330) and (MAD 2104 or COP 3330). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. With Honors content. Fall.

COP 4020 ECS-CS 3(3,0)
Programming Languages I: PR: COP 3503C and COP 3960. Paradigms and fundamental concepts of programming languages are presented, including scope, binding, abstraction, encapsulation, typing etc. Design paradigms object-oriented, functional and logic programming are presented. Fall, Spring.

COP 4331C ECS-CS 4(3,1)

COP 4516C ECS-CS 3(1,3)
Problem Solving Techniques and Team Dynamics: PR: COP 3503C. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format. Occasional.

COP 4520 ECS-CS 3(3,0)
Concepts of Parallel and Distributed Processing: PR: COP 3402 and COP 3503C and COP 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4600 ECS-CS 3(3,0)

COP 4610L ECS-CS 3(0,3)
Operating Systems Laboratory: PR: COP 3502C. Exercises in the configuration, development, management and analysis of operating systems; OS Kernel support for semaphores and multi-tasking; security in a distributed heterogeneous environment. Fall, Spring.

COP 4710 ECS-CS 3(3,0)
Database Systems: PR: COP 3503C. Storage and access structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.

COP 4910 ECS-CS 3(3,0)
Frontiers in Information Technology: PR: COP 4610L or COT 4703C. Research into leading edge information technologies that have a high likelihood of affecting the work place in the two to five year time frame. Spring.

COP 5021 ECS-CS 3(3,0)
Program Analysis: PR: COP 4020 and COT 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, dependence analysis, andype and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 ECS-CS 3(3,0)
Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.

COP 5611 ECS-CS 3(3,0)

COP 5711 ECS-CS 3(3,0)
Parallel and Distributed Database Systems: PR: COP 4710. Storage manager, implementation techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidatabase systems. Occasional.

COT 3100C ECS-CS 3(3,1)

COT 3960 ECS-CS 0(1,0)

COT 4210 ECS-CS 3(3,0)

COT 4400 ECS-CS 3(3,0)

COT 4500 ECS-CS 3(3,0)

COT 4810 ECS-CS 3(3,0)
Topics in Computer Science: PR: COP 3402 and COP 3503C and COP 3960. A range of topics from the 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 COP 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. LR(k) grammars. Fall, Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>COT 5405</td>
<td>Design and Analysis of Algorithms</td>
<td>3(3,0)</td>
<td>PR: COT 4210. 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.</td>
</tr>
<tr>
<td>COT 5507</td>
<td>Computational Methods/Applications</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>COT 5510</td>
<td>Computational Methods/Linear Systems</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>COT 5520</td>
<td>Computational Geometry</td>
<td>3(3,0)</td>
<td>CR: COT 5405. Geometric searching, point location, convex hulls, proximity problems, Voronoi diagrams, spanning trees, triangulation, intersection arrangement applications. Occasional.</td>
</tr>
<tr>
<td>CPO 3034</td>
<td>Politics of Developing Areas</td>
<td>3(3,0)</td>
<td>Comparative analysis of theories, problems and politics of development in Third World nations. Even Fall.</td>
</tr>
<tr>
<td>CPO 3103</td>
<td>Comparative Politics</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>CPO 3104</td>
<td>Politics of Western Europe</td>
<td>3(3,0)</td>
<td>PR: POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1848 era. Odd Spring.</td>
</tr>
<tr>
<td>CPO 3132</td>
<td>Canadian Studies</td>
<td>3(3,0)</td>
<td>A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy. Occasional.</td>
</tr>
<tr>
<td>CPO 3403</td>
<td>Politics of the Middle East</td>
<td>3(3,0)</td>
<td>PR: POS 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Even Fall, Spring.</td>
</tr>
<tr>
<td>CPO 3403H</td>
<td>Honors Politics of the Middle East</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content. Occasional.</td>
</tr>
<tr>
<td>CPO 3614</td>
<td>Politics of Eastern Europe</td>
<td>3(3,0)</td>
<td>PR: POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1848 era. Occasional.</td>
</tr>
<tr>
<td>CPO 4047</td>
<td>Politics of the NAFTA Region</td>
<td>3(3,0)</td>
<td>PR: POS 2041 or C.I. Contemporary politics of the NAFTA region, analyzing important political and socio-economic issues. Occasional.</td>
</tr>
<tr>
<td>CPO 4062</td>
<td>Comparative Judicial Process</td>
<td>3(3,0)</td>
<td>Study of courts and judges in cross-national context. Focus upon judicial recruitment, decisional patterns, and policy outcomes. Occasional.</td>
</tr>
<tr>
<td>CPO 4074</td>
<td>Political Economy</td>
<td>3(3,0)</td>
<td>PR: Junior standing or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries. Even Fall.</td>
</tr>
<tr>
<td>CPO 4101</td>
<td>Politics of the European Union</td>
<td>3(3,0)</td>
<td>PR: POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. Spring.</td>
</tr>
<tr>
<td>CPO 4123</td>
<td>Government and Politics of Great Britain</td>
<td>3(3,0)</td>
<td>A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain’s foreign policy and European role will be discussed. Even Spring.</td>
</tr>
<tr>
<td>CPO 4303</td>
<td>Comparative Latin American Politics</td>
<td>3(3,0)</td>
<td>PR: POS 2041, and Junior standing or C.I. Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.</td>
</tr>
<tr>
<td>CPO 4445</td>
<td>Comparative Political Parties</td>
<td>3(3,0)</td>
<td>PR: POS 2041, and Junior standing or C.I. Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.</td>
</tr>
<tr>
<td>CPO 4514</td>
<td>Politics of East Asia</td>
<td>3(3,0)</td>
<td>PR: POS 2041 or C.I. Major trends in political, economic, and socio-cultural aspects in the East Asian region. Occasional.</td>
</tr>
<tr>
<td>CPO 4553</td>
<td>Politics of Japan</td>
<td>3(3,0)</td>
<td>PR: POS 2041 or CPO 3103 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. Fall.</td>
</tr>
<tr>
<td>CPO 4643</td>
<td>Government and Politics of Russia</td>
<td>3(3,0)</td>
<td>PR: POS 2041 or C.I. The origins, institutions, and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy. Occasional.</td>
</tr>
<tr>
<td>CPO 4710</td>
<td>Women in Comparative Politics</td>
<td>3(3,0)</td>
<td>PR: Junior standing or C.I. A cross-national perspective on women and politics; how women behave politically in various political and economic contexts. Occasional.</td>
</tr>
<tr>
<td>CPO 4754</td>
<td>Comparative Political Institutions</td>
<td>3(3,0)</td>
<td>PR: POS 2041, Jr. standing or C.I. The course analyzes major types of political institutions from a comparative perspective including electoral laws, distribution of power, types of democracy, federalism, and the judiciary. Occasional.</td>
</tr>
<tr>
<td>CPO 4784</td>
<td>Political and Economic Inequality in Comparative Perspective</td>
<td>3(3,0)</td>
<td>PR: POS 2041, Jr. standing or C.I. A cross-national perspective on women and politics; how women behave politically in various political and economic contexts. Occasional.</td>
</tr>
<tr>
<td>CPO 4794</td>
<td>Indigenous Politics and the Environment</td>
<td>3(3,0)</td>
<td>PR: POS 2041 or C.I. Unique environmental politics specific to indigenous peoples around the world. Occasional.</td>
</tr>
<tr>
<td>CRW 3011</td>
<td>Creative Writing for Non-Majors</td>
<td>3(3,0)</td>
<td>PR: Grade of C (2.0) or better required in ENC 1102. Only open to non-majors. The techniques of literary genres; the practice and critique of original work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3013. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 3013</td>
<td>Creative Writing for English Majors</td>
<td>3(3,0)</td>
<td>PR: English major or minor, junior standing, and grade of C (2.0) or better required in ENC 1102 or C.I. An intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 3120</td>
<td>Fiction Writing Workshop</td>
<td>3(3,0)</td>
<td>PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, or C.I. An intermediate level poetry writing workshop for English majors; group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 3211</td>
<td>Creative Nonfiction Writing</td>
<td>3(3,0)</td>
<td>PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, or C.I. Writers present original nonfiction writing for class response and individual conferences. Close reading of key works of creative nonfiction with discussion of definitions of the genre. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 3310</td>
<td>Poetry Writing Workshop</td>
<td>3(3,0)</td>
<td>PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, or C.I. An intermediate level poetry workshop for English majors; group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 3407</td>
<td>Literary Magazines</td>
<td>3(3,0)</td>
<td>PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, or C.I. An intermediate level poetry workshop for English majors; group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 3610</td>
<td>Writing Scripts</td>
<td>3(3,0)</td>
<td>PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, or C.I. The structure of verse: the origins, institutions, and functioning of the American system, including the lingering influence of the old order on domestic and foreign policy. Occasional.</td>
</tr>
<tr>
<td>CRW 3950</td>
<td>Cypress Dome Editorship</td>
<td>3(3,0)</td>
<td>PR: C.I. Responsibility for all aspects of literary The Cypress Dome-UCF’s student literary journal. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 4014</td>
<td>The Writing Life</td>
<td>3(3,0)</td>
<td>PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, or C.I. The writing life: the origins, institutions, and functioning of the American system, including the lingering influence of the old order on domestic and foreign policy. Occasional.</td>
</tr>
<tr>
<td>CRW 4114</td>
<td>History of Prose Style</td>
<td>3(3,0)</td>
<td>PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.</td>
</tr>
</tbody>
</table>
CRW 4122 CAH-ENG 3(3,0)
Advanced Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3210, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4123 CAH-ENG 3(3,0)
Science Fiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better in CRW 3013 and CRW 3210, or C.I. Study of science fiction literature and writing of original science fiction stories. Workshop format with critique of writing assignments. Occasional.

CRW 4224 CAH-ENG 3(3,0)
Advanced Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3211, or C.I. Intensive reading, writing, and workshop of creative nonfiction drawing on memory, observation, journalistic research, and literary techniques. Fall, Spring.

CRW 4320 CAH-ENG 3(3,0)
Advanced Poetry Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3310, or C.I. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4816 CAH-ENG 3(3,0)
Advanced Scriptwriting Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3610, or C.I. Intensive practice in writing scripts. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4722 CAH-ENG 3(3,0)
Editing for Creative Writers: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610, or C.I. Overview of editing processes, the history and future of editing, issues and areas of literary and trade book publishing, and style through grammar and syntax. Occasional.

CRW 4724 CAH-ENG 3(3,0)
The Florida Review: PR: English major and grade of C (2.0) or better in CRW 3110 and CRW 3120 or CRW 3211. Student practice in choreographing a concept and history of the Review. Fall, Spring.

CRW 4804 CAH-ENG 3(3,0)
Creative Writing in the Community: PR: Junior standing and CRW 3110 or CRW 3120 or CRW 3211. Teaching creative writing to community groups through service-learning. Occasional.

CRW 5020 CAH-ENG 3(3,0)
Graduate Writing Workshop: PR: Admission to Creative Writing MFA and C.I. Student writers present their own work, receiving detailed analysis of its strengths and weaknesses from their fellow writers and from the teacher. May be used in the degree program a maximum of 4 times. Fall, Odd Spring.

CRW 5130 CAH-ENG 3(3,0)
Form and Theory in Creative Writing: PR: Admission to Creative Writing MFA or C.I. Formal and theoretical study of creative writing of given genre (poetry, short fiction, etc.). May be repeated for credit only when course content is different. Occasional.

CRW 5948C CAH-ENG 2(2,1)
Creative Writing Service Learning: PR: Admission to Creative Writing MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.

CWR 3201 ECS-CEE 3(3,0)

CWR 4101C ECS-CEE 3(2,2)
Hydrology: PR: STA 3032, CWR 3201. Hydrological cycle, probabilistic forecasting, rainfall excess, meteorology, groundwater, storm-water runoff, flood routing and design applications. Fall, Spring. M&S fee: $15.00

CWR 4203C ECS-CEE 3(2,2)
Hydraulics: PR: CWR 3201. Continuation of CWR 3201 with emphasis on piping networks, pumps, and hydraulic systems. Laboratory with civil and environmental engineering applications. Fall, Spring. M&S fee: $20.00

CWR 4812C ECS-CEE 3(2,2)
Water Resources Design: PR: CWR 4101C. CWR 4203C. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall, Spring. M&S fee: $15.00

CWR 5125 ECS-CEE 3(3,0)
Groundwater Hydrology: PR: CWR 4203C or equivalent. Theories of groundwater movement, geological factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.

CWR 5205 ECS-CEE 3(3,0)

CWR 5515 ECS-CEE 3(3,0)
Numerical Methods in Civil and Environmental Engineering: PR: CWR 4101C, CWR 4203C. This course will present intermediate to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.

CWR 5545 ECS-CEE 3(3,0)

DAA 2100C CAH-THEA 2(2,1)
Modern Dance I: PR: Theatre major, Dance minor, or department consent. Exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Spring.

DAA 2101C CAH-THEA 2(2,1)
Modern Dance II: PR: Theatre major, Dance minor, or department consent,. and C (2.0) or better required in DAA 2100C and DAA 2200C. Intermediate exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Fall.

DAA 2200C CAH-THEA 2(2,1)
Ballet I: PR: Theatre major, Dance minor, or department consent. Fundamentals of classical ballet, includes practical dance work as well as dance history lectures. Fall.

DAA 2201C CAH-THEA 2(2,1)
Ballet II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Intermediate classical ballet technique, including principles, theory, and practice technique. Spring.

DAA 23000 ED-CFCS 2(2,0)
Ballroom Dance: Instruction in selected ballroom dances (foxtrot, waltz, rumba, swing, samba, cha cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. Graded SU. May be repeated for credit. Fall, Spring.

DAA 2351 ED-CFCS 2(2,0)
Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (meringue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Graded SU. May be repeated for credit. Fall, Spring.

DAA 2393C CAH-THEA 2(2,1)
World Dance: PR: Theatre major, Dance minor, or department consent. Theory and applied technique of world dance. Semester focus will be devoted to one form such as African dance, Flamenco, Irish dance, Indian dance, or other. May be repeated for credit. Occasional.

DAA 2520C CAH-THEA 2(2,1)
Tap Dance I: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall.

DAA 2521C CAH-THEA 2(2,1)
Tap Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2520C. Intermediate exploration of form, style, and technique of tap dance. Spring.

DAA 2570C CAH-THEA 2(2,1)
Jazz Dance I: PR: DAA 2200C, and Theatre major, or Dance minor, or department consent. Basic movements of American Jazz dance, including practical class work and Jazz dance history. 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. Advanced Jazz dance using theory and practice in jazz technique. Spring.

DAA 3108C 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 2201C. Advanced exploration of form, style, and technique in creative movement. May be repeated for credit. Spring.

DAA 3208C CAH-THEA 2(2,1)
Ballet III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2201C. Advanced classical ballet technique, including principles, theory, and practice 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 DAA 2201C. Advanced exploration of form, style, and technique of tap dance. May be repeated for credit. Fall.

DAA 3612 CAH-THEA 3(3,0)

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 DAA 2201C. Student practice in choreographing a concept dance work for public performance. May be used in the degree program a maximum of 5 times. Spring.

DAA 3684 CAH-THEA 1(0,VAR)
Dance Performance: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Student performance in a concert dance work. May be repeated for credit. Spring. M&S fee: $15.00
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAE 3370</td>
<td>ED-CFCS: Dance and Rhythms</td>
<td>3(1,2)</td>
<td>The development of skill proficiency and instructional strategies in rhythms and dance techniques, and fundamental movement patterns for grades K-12. Occasional.</td>
</tr>
<tr>
<td>DAN 3134</td>
<td>CAH-THEA: Dance History I</td>
<td>3(3,0)</td>
<td>The creative process in the development of new, novel, and emerging media including user-interface design. Students combine audio, video, imaging, and animation using industry standard software.</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>COS-PSYCH: Developmental Psychology</td>
<td>3(3,0)</td>
<td>The effects of genetic, psychological, maturational, and social factors on behavior throughout the life cycle.</td>
</tr>
<tr>
<td>DEP 2004H</td>
<td>COS-PSYCH: Honors Developmental Psychology</td>
<td>3(3,0)</td>
<td>Consent of Honors. Genetic, psychological, maturational, and social factors on behavior throughout the life cycle. With Honors consent.</td>
</tr>
<tr>
<td>DEP 3202</td>
<td>COS-PSYCH: Psychology of Exceptional Children</td>
<td>3(3,0)</td>
<td>Psychopathological problems of exceptional children, including diagnosis, associated emotional problems, effects of institutionalization, and psychological functioning. Occasional.</td>
</tr>
<tr>
<td>DEP 3464</td>
<td>COS-PSYCH: Psychology of Aging</td>
<td>3(3,0)</td>
<td>An examination of basic psychological principles related to the aging process, with emphasis on the applied implications of changes in perceptual-motor, social emotional and cognitive-intellectual functioning. Occasional.</td>
</tr>
<tr>
<td>DEP 5057</td>
<td>COS-PSYCH: Developmental Psychology</td>
<td>3(3,0)</td>
<td>PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors.</td>
</tr>
<tr>
<td>DIG 2000</td>
<td>CAH-DIG: Introduction to Digital Media</td>
<td>3(3,0)</td>
<td>PR: ENC 1103 and MAC 1105. Introduction to basic concepts and principles of digital imaging, as well as associated digital media and designing for digital media with emphasis on production and communication.</td>
</tr>
<tr>
<td>DIG 2109C</td>
<td>CAH-DIG: Digital Imaging Fundamentals</td>
<td>3(2,2)</td>
<td>PR: DIG 2000. Introduces concepts and principles of image creation, the tools and techniques of image capture, creation, manipulation, and integration for design concepts.</td>
</tr>
<tr>
<td>DIG 2485</td>
<td>CAH-DIG: Visual Language of the Moving Image</td>
<td>3(3,0)</td>
<td>PR: Minimum grade of &quot;B&quot; (3.0) or better in DIG 2000. Conceptual structure and design of visual storytelling. Principles, mechanics, character development, personality of place, exaggeration and effects.</td>
</tr>
<tr>
<td>DIG 2821</td>
<td>CAH-DIG: Creative Digital Media Problem Solving</td>
<td>3(3,0)</td>
<td>PR: Minimum grade of &quot;B&quot; (3.0) in DIG 2000. Practical tools to enhance the creative process in the development of new, novel, and useful ideas for digital media.</td>
</tr>
<tr>
<td>DIG 3024</td>
<td>CAH-DIG: Digital Cultures &amp; Narrative</td>
<td>3(3,0)</td>
<td>PR: DIG 2030C, DIG 2109C, DIG 2500C, and a minimum grade of &quot;B&quot; (3.0) in DIG 2000. Understanding of digital cultures and narrative theories from an interdisciplinary perspective. Conceptual structure and design of visual and interactive storytelling.</td>
</tr>
<tr>
<td>DIG 3035</td>
<td>CAH-DIG: Digital Media in the Workplace</td>
<td>1(1,0)</td>
<td>PR: ENC 1102: Workplace skill preparation for Digital Media Practicum. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times.</td>
</tr>
<tr>
<td>DIG 3134</td>
<td>CAH-DIG: Media Software Design</td>
<td>3(3,0)</td>
<td>PR: DIG 2000 and COP 2500C, with a minimum grade of &quot;B&quot; (3.0) in DIG 2000. Fundamentals of software design in Internet environments. Introduction to discrete mathematics, programming/design schema, and computational structures.</td>
</tr>
<tr>
<td>DIG 3153</td>
<td>CAH-DIG: Writing for Digital Media</td>
<td>3(3,0)</td>
<td>PR: DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of methods and fundamentals in the following areas: language theory, document design, markup languages and the editing process.</td>
</tr>
<tr>
<td>DIG 3253C</td>
<td>CAH-DIG: Digital Media Audio</td>
<td>3(2,2)</td>
<td>PR: DIG 3480C. Audio production for multimedia and new media production, including examination and use of audio and MIDI sequencing software.</td>
</tr>
<tr>
<td>DIG 3286C</td>
<td>CAH-DIG: Assembling Digital Media</td>
<td>3(2,2)</td>
<td>PR: DIG 2030C and a minimum grade of &quot;B&quot; (3.0) in DIG 2000. Digital narratives, visual storytelling, and the assembly and editing of images and sounds for use in interactive media. Project oriented.</td>
</tr>
<tr>
<td>DIG 3355C</td>
<td>CAH-DIG: Artificial Environments and Effects</td>
<td>3(2,2)</td>
<td>PR: DIG 2485 and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, and concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization.</td>
</tr>
<tr>
<td>DIG 3362C</td>
<td>CAH-DIG: Artificial Characters</td>
<td>3(2,2)</td>
<td>PR: DIG 2485 and C.I. CR: DIG 3951. Processes and techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium.</td>
</tr>
<tr>
<td>DIG 3450H</td>
<td>CAH-DIG: Honors Interactive Performance I</td>
<td>3(3,0)</td>
<td>PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors consent. Occasional.</td>
</tr>
<tr>
<td>DIG 3450H</td>
<td>CAH-DIG: Honors Interactive Performance II</td>
<td>3(3,0)</td>
<td>PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors consent. Occasional.</td>
</tr>
<tr>
<td>DIG 3480C</td>
<td>CAH-DIG: Computer as a Medium</td>
<td>3(2,2)</td>
<td>PR: DIG 2500C, COP 2500C, and a minimum grade of &quot;B&quot; (3.0) in DIG 2000. Fundamentals of client-side scripting with an emphasis on web technologies. Development of interactive web sites using current scripting languages.</td>
</tr>
<tr>
<td>DIG 3525</td>
<td>CAH-DIG: Digital Media Production I</td>
<td>3(3,0)</td>
<td>PR: DIG 2030C, DIG 2109C, DIG 2500C, and a minimum grade of &quot;B&quot; (3.0) in DIG 2000. Media project planning, organization and execution, group dynamics. Software tools for project planning, scheduling and management.</td>
</tr>
<tr>
<td>DIG 3543C</td>
<td>CAH-DIG: The Production Process</td>
<td>3(2,2)</td>
<td>PR: DIG 2485 and C.I. CR: DIG 3951. Production in a visual medium from narrative idea to finished artifact. Odd Fall.</td>
</tr>
<tr>
<td>DIG 3563</td>
<td>CAH-DIG: Information Management and Entrepreneurship</td>
<td>3(3,0)</td>
<td>PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and life types. Introduction of basic financial and entrepreneurial elements of starting and running a small business.</td>
</tr>
<tr>
<td>DIG 3716C</td>
<td>CAH-DIG: Internet Interaction</td>
<td>3(2,2)</td>
<td>PR: DIG 3480C. Front-end and design of web pages. Design using markup languages and style sheets to produce visually pleasing and usable interactive interfaces.</td>
</tr>
<tr>
<td>DIG 3811</td>
<td>CAH-DIG: User-Centered Design</td>
<td>3(3,0)</td>
<td>PR: DIG 3525. Applying knowledge of user experience to the design of usable interfaces and systems.</td>
</tr>
<tr>
<td>DIG 3951</td>
<td>CAH-DIG: Visual Language Portfolio Review</td>
<td>0(0,0)</td>
<td>PR: C.I. Review of relevant digital and artistic works in a student's portfolio. Graded S/U.</td>
</tr>
<tr>
<td>DIG 4104C</td>
<td>CAH-DIG: Web Design Workshop</td>
<td>3(2,2)</td>
<td>PR: DIG 3134C, DIG 3716C, DIG 3563, and DIG 3611. Students will practice designing and implementing professional-quality websites. May be used in the degree program a maximum of 2 times.</td>
</tr>
<tr>
<td>DIG 4206C</td>
<td>CAH-DIG: New Imagery in Motion Workshop</td>
<td>3(1,4)</td>
<td>PR: DIG 4325C. Successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and sound in digital projects.</td>
</tr>
<tr>
<td>DIG 4323C</td>
<td>CAH-DIG: Modeling for Visual Language</td>
<td>3(1,4)</td>
<td>PR: DIG 4204C. Successful portfolio, or C.I. Application of techniques taught to model, rig, and prepare artificial characters so that they can be animated effectively and express narrative for digital production.</td>
</tr>
<tr>
<td>DIG 4324C</td>
<td>CAH-DIG: Modeling for Realtime Systems II</td>
<td>3(2,2)</td>
<td>PR: DIG 4780C. Advanced techniques for character animation, texture, lighting, rendering, and audio in digital projects.</td>
</tr>
<tr>
<td>DIG 4325C</td>
<td>CAH-DIG: Look Modeling Workshop</td>
<td>3(2,2)</td>
<td>PR: DIG 4204C. Successful portfolio review, or C.I. Techniques, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting.</td>
</tr>
</tbody>
</table>
DIG 4326C CAH-DIG 3(1,4)
Geometrical Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques and mechanics of designing, and manipulating geometrical representations of artificial characters and their environments; introduction to procedural models. Spring.

DIG 4354C CAH-DIG 3(1,4)
Advanced 3D Animation: PR: DIG 4332C, successful portfolio review, or C.I. Advanced tools, concepts and techniques developed in the previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4359C CAH-DIG 3(1,4)
Visual Language of Moving Image II: PR: DIG 3555C and successful portfolio review, or C.I. Techniques and mechanics of visual artificial environments, with emphasis on compositing, image processing, visual style, visual continuity, life. Spring.

DIG 4369C CAH-DIG 3(1,4)
Artificial Characters Workshop: PR: DIG 3326C and successful portfolio review, or C.I. Advanced application of lighting and surface attributes, improving on the tools, concepts, and techniques learned in previous 3D courses. Spring.

DIG 4394C CAH-DIG 3(1,4)
Motion Graphics: Advanced Compositing: PR: DIG 4339C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particles, and compositing to create motion graphics. Manage and navigate objects, images and other media in visual narratives, as pertaining to 3D Context. Spring.

DIG 4434C CAH-DIG 3(1,4)
Narrative Techniques in the Moving Image: PR: DIG 4451C, successful portfolio review, or C.I. Advanced techniques in visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4451C CAH-DIG 3(1,4)
Visual Storytelling and Visual Development Workshop: PR: DIG 3433C and successful portfolio review, or C.I. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story structure. Spring.

DIG 4486C CAH-DIG 3(1,4)
Visual Language of Moving Image II: PR: DIG 3433C, successful portfolio review, or C.I. Application of techniques taught to design, create, and refine visual development, story board, story reel, character design, and animation that expresses a narrative for digital production. Fall.

DIG 4503C CAH-DIG 3(3,0)

DIG 4522 CAH-DIG 3(3,0)
Digital Media Service: PR: DIG 3035. Practicum in which students utilize their digital media skills to create media rich products. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4523L CAH-DIG 1(0,3)
Digital Media Service III: PR: DIG 4522L and a minimum grade of "B" (3.0) or better in DIG 4500, Participation as a leader of "B" (3.0) or better in DIG 2000. Multidisciplinary students work with faculty and industry mentors to design and implement a project involving virtual reality, video game production, computer animation, or interaction with the theme park industry. Odd Fall, Even Spring.

DIG 4526 CAH-DIG 3(3,0)
Digital Media Production II: PR: DIG 3526 and a minimum grade of "B" (3.0) or better in DIG 2000. Management and execution of large digital media projects, using structured methods and tools learned in Digital Media Production I. Fall, Spring.

DIG 4528L CAH-DIG 3(0,0)
Digital Media Production II: PR: DIG 4522L and a minimum grade of "B" (3.0) or better in DIG 4500. Continuation of IDS 3526. Odd Fall, Even Spring.

DIG 4530C CAH-DIG 3(2,2)
Media for E-Commerce: PR: DIG 3134C and DIG 3716C. The applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. Fall, Spring.

DIG 4624C CAH-DIG 3(1,4)
Digital Production in Artificial Environments: PR: DIG 4395C, successful portfolio review, or C.I. Application of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, theme and mood to help express a narrative for digital production. Fall.

DIG 4630C CAH-DIG 3(2,2)

DIG 4645 ECS-CS 3(3,0)
Digital Media: PR: COP 3503C or C.I. Information structures, algorithms and interactive tools for creation, compression, storage, indexing and transmission of multimedia (visual images, sound, tactile displays, etc.) Project-oriented. Occasional.

DIG 4693C CAH-DIG 3(2,2)
Production Software Techniques: PR: DIG 3314C or C.I. Advanced programming techniques for a variety of web-based applications using ActionScript, including dynamic and real-time text, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4704C CAH-DIG 3(2,2)
Interactive Entertainment: PR: DIG 3324C, DIG 3153, DIG 3526, and C.I. Weaps to apply diverse skills of film making to digital media, non-linear story telling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4713 CAH-DIG 3(3,0)
Game Design: PR: DIG 3024 and DIG 3525. Principles and theories of video game design, including software, content, interaction, and game play design. Project-based. Fall, Spring.

DIG 4715C CAH-DIG 3(2,2)
Game Production: PR: A minimum grade of "B" (3.0) in DIG 4713 and a satisfactory portfolio review. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project-based. Fall, Spring.

DIG 4720C CAH-DIG 3(2,2)
Casual Game Production: PR: DIG 2500C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-DIG 3(2,2)
Game Design Workshop: PR: DIG 4715C, FIL 3720C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement video games using professional tools and iterative design techniques. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4770 ECS-CS 3(3,0)

DIG 4780C CAH-DIG 3(2,2)

DIG 4855C CAH-DIG 3(1,4)
Converging Media: PR: DIG 4704C and C.I. Applying the convergence of story, play and game conventions into innovative internet experiences. Fall, Spring.

DIG 5045C CAH-DIG 3(1,3)
Principles of Interactive Entertainment I: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.

DIG 5046C CAH-DIG 3(1,3)
Principles of Interactive Entertainment II: PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5137 CAH-DIG 3(3,0)
Information Architecture: PR: Film and digital media majors or C.I. Exploration of the process of formal design of interactive processes, examining the theories of usability and object oriented design. Fall.

DIG 5366 CAH-DIG 3(3,0)
Creating Interactive Characters: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.

DIG 5487 CAH-DIG 3(3,0)
Principles of Visual Language: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognition of imagery. Fall.

DIG 5529C CAH-DIG 3(1,3)
Production for Media: PR: Admission to Digital Media MS program or C.I. Theories and practices of production processes for interactive entertainment. Fall.

DIG 5548C CAH-DIG 3(1,3)
Rapid Prototype Production I: PR: Admission to Digital Media MS program or C.I. Students engage in interdisciplinary teams to create rapid development projects. Fall.

DIG 5549C CAH-DIG 3(1,3)
Rapid Prototype Production II: PR: DIG 5548C or C.I. Students engage in interdisciplinary teams to create advanced rapid development projects. Fall.
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DIG 5665C CAH-DIG 3(1,3)

DIG 5627 CAH-DIG 3(3,0)
Autonomous Characters: PR: Graduate status or senior standing or C.I. Interdisciplinary study of autonomous characters-computer programs that mimic human behavior in games, simulations and interactive literature. Formal models of strategy, tactics and actions. Occasional.

DIG 5810 CAH-DIG 3(3,0)
Ways of Seeing: Cultural and Technological Perspectives: PR: Admission to Film and Digital Media master’s program or C.I. Cultural and technological perspectives formed by the intersection of media and cultural studies, art history and criticism, and cinema studies. Fall.

DIG 5835 CAH-DIG 3(3,0)
Digital Forensics: PR: CGS 5131 (Computer Forensics I) or C.I. Application of digital scientific techniques to solve information assurance, forensic and legal problems. Occasional.

DIG 5950 CAH-DIG 3(3,0)
Living Entertainment Capstone: PR: Admission to Digital Media MS. Prepare a product design document and technical design document for a production project. Graduated SU. Fall, Spring.

DSC 4012 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.

DSC 4013 HPA-CJ/LS 3(3,0)

EAB 3703 COS-PSYCH 4(3,2)
Principles of Behavior Modification: PR: EXP 3404. An examination of the control of behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. Lecture/Practicum. Fall.

EAB 3705C COS-PSYCH 4(3,2)
Behavior Modification - Part II: PR: EAB 3703, EXP 3404. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs. Occasional.

EAB 5765 COS-PSYCH 3(3,0)
Applied Behavior Analysis with Children and Youth: PR: DEP 5057 and EXP 5445, and graduate status or senior standing or C.I. Advanced survey of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. Occasional.

EAS 3010 ECS-MMAE 3(3,0)
Fundamentals of Aerospace Flight: PR: EGN 3321 and a “C” (2.0) or better in all of the following prerequisites: MAC 2311, MAC 2312 and PHY 2048; CR: EGN 3343. Fundamental theories of inviscid, incompressible aerodynamics and flight mechanics, airfoil theory, external and internal flows, airplane performance. Fall.

EAS 3101 ECS-MMAE 3(3,0)
Fundamentals of Aerodynamics: PR: EAS 3010. Viscous, incompressible fluid flow; flow over finite wings; aerodynamic design; introduction to computational fluid dynamics. Spring.

EAS 3530 ECS-MMAE 3(3,0)

EAS 3800C ECS-MMAE 3(2,3)

EAS 3810C ECS-MMAE 3(1,3)
Design of Aerospace Experiments: PR: EAS 3800C and EAS 3010. Design and analysis of experiments in aeronautics/aerospace systems with emphasis on project team activity. Spring. M&S fee: $45.00.

EAS 3990 ECS-MMAE 0(0,0)
Aerospace Career and Academic Faculty Advising I: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graduated SU. Fall, Spring.

EAS 4105 ECS-MMAE 3(3,0)

EAS 4134 ECS-MMAE 3(3,0)
High-Speed Aerodynamics: PR: EGN 3343, EML 3701, EAS 3800C. Continuation of EAS 3101. Normal and oblique shock waves, nozzle and wind tunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Details of boundary layers and applications to the design process. Fall.

EAS 4154 ECS-MMAE 3(3,0)

EAS 4200 ECS-MMAE 3(3,0)

EAS 4210 ECS-MMAE 3(3,0)

EAS 4300 ECS-MMAE 3(3,0)
Aerothermodynamics of Propulsion Systems: PR: EAS 4134 or EML 4703. Fundamental analysis and design considerations of propulsion systems. Turbojets, ramjets and rockets. Fall.

EAS 4400 ECS-MMAE 3(3,0)

EAS 4404C ECS-MMAE 3(2,3)

EAS 4505 ECS-MMAE 3(3,0)
Orbital Mechanics: PR: EGN 3321 and a “C” (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Two-body problem, orbital equations, orbital transfer, earth satellite operation. Spring.

EAS 4700C ECS-MMAE 3(1,6)

EAS 4710C ECS-MMAE 3(1,6)
Aerospace Design II: PR: EAS 4700C, EAS 4991. Continuation of the design process in the team building and testing of a prototype model of an airplane, spacecraft, system or device. Fall, Spring. M&S fee: $45.00.

EAS 4991 ECS-MMAE 0(0,0)
Aerospace Career and Academic Faculty Advising II: PR: EAS 3990; CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career/academic advising. Graduated SU. Fall, Spring.

EAS 5123 ECS-MMAE 3(3,0)

EAS 5157 ECS-MMAE 3(3,0)

EAS 5302 ECS-MMAE 3(3,0)

EAS 5315 ECS-MMAE 3(3,0)

EAS 5407 ECS-MMAE 3(3,0)
Mechatronic Systems: PR: EML 4904C or EAS 4404C. Discrete control techniques for aerospace mechatronic systems. Controller design, test and evaluation applications. Fall.

EAS 5535 ECS-MMAE 3(3,0)
Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4501C, EML 4500C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.

EDB 3213 ED-CFCS 3(4,0)
EBD 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.

EBD 4243 ED-CFCS 3(3,0) Teaching the Emotionally Handicapped: Instructional strategies with emphasis on motivational strategies, development, implementation, and evaluation of the IEP, modification of regular education instructional practices, crisis intervention and prevention. Occasional.

EBD 4244 ED-CFCS 2(2,0) Instructional Strategies and Curriculum for Students with Emotional Handicaps: PR: EEX 201. Instructional strategies and specialized curriculum for teaching students with emotional handicaps with emphasis on instructional techniques and use of curriculum materials and programs. Occasional.


ECM 5741C ECS-ECE 3(2,3) Microcomputer-Monitoring and Control Systems: PR: EEE 3342C; EEL 4767C or C.I. Machine language programming; software development aids; systems design; interfacing considerations. Occasional.

ECO 2013 BA-ECON 3(3,0) Principles of Microeconomics: An introduction to microeconomics, including an overview of the market economy; national income, employment, and price level determination, stabilization policies, and international economics. Fall, Spring.

ECO 2013H BA-ECON 3(3,0) Honors Principles of Economics Microeconomics: PR: Permission of Honors. Same as ECO 2013 with honors-level content. Fall, Spring.

ECO 2023 BA-ECON 3(3,0) Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall, Spring.

ECO 2023H BA-ECON 3(3,0) Honors Principles of Microeconomics: PR: Permission of Honors. The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Honors content. Occasional.

ECO 3070 BA-ECON 1(1,0) Tutoring/Teaching Techniques for Undergraduate Economics: PR: Satisfactory completion of same course the student is tutoring. Prepare undergraduate students to more effectively learn economics concepts through tutoring/teaching. Graded S/U. May be used in the degree program a maximum of 4 times. Fall, Spring.

ECO 3101 BA-ECON 3(3,0) Intermediate Microeconomics: PR: ECO 2013, ECO 2023 and ECO 3401. Theoretical study of the behavior of households, firms, and the markets in which they operate with issues and applications. Fall, Spring.


ECO 3401 BA-ECON 3(3,0) Quantitative Business Tools I: PR: ECO 2023, MAC 1140. Introduction to mathematical and statistical analysis of economics and business problems. Fall, Spring.

ECO 3410 BA-ECON 3(3,0) Mathematical Economics: PR: ECO 3101. Mathematical methods with particular focus on microeconomics foundations of individual decision-making. Spring.

ECO 3411 BA-ECON 4(4,0) Quantitative Business Tools II: PR: Junior standing and business major or minor. ECO 2013, ECO 2023, and ECO 3401. The use of statistical methods as scientific tools in the analysis of economics and business problems. Fall, Spring.

ECO 3411H BA-ECON 3(3,0) Honors: Quantitative Business Tools II: PR: ECO 3401. permission of Honors. Same as ECO 3411 with Honors level content. Occasional.

ECO 3703 BA-ECON 3(3,0) International Trade: PR: ECO 2013 and ECO 2023. The study of the principal ideas of the major contributors to the development of economic thought. Fall, Spring.

ECO 3704 BA-ECON 3(3,0) International Commercial Policy: PR: ECO 2013 and ECO 2023. Presents the fundamentals of international commercial policy, with special emphasis on U.S. trade policy since WW II. Spring.


ECO 4412 BA-ECON 3(3,0) Econometrics: PR: ECO 2013, ECO 2023 and ECO 3411. Concepts and methods of developing, analyzing, and interpreting measures of economic activity, and business and economic change. Even Fall.

ECO 4451 BA-ECON 3(3,0) Research Methods in Economics: PR: ECO 3101, ECO 3203 and ECO 3411. Skills in data collection and creation, data analysis, and research presentation. Fall, Spring.


ECO 4751 BA-ECON 3(3,0) Law and Economics: PR: ECO 2013 and 2023. Impact of law on economic behavior; how economic behavior changes with legal rules and penalties; and the economic logic underlying the law. Occasional.

ECO 4951 BA-ECON 3(3,0) Economic Internship: PR: Consent of department chair. Supervised economics-related work experience in a pre-approved sponsoring organization. See department for information/application. Graded S/U. Occasional.

ECO 5005 BA-ECON 3(3,0) Economic Concepts: PR: Acceptance into the graduate program. Introduction to micro and macro economic analysis. Occasional.


ECP 3203 BA-ECON 3(3,0) Labor Economics: PR: ECO 2013 and ECO 2023. The analysis of labor problems and issues in a dynamic contemporary economy through the interaction of the four major institutions: households, firms, government, and unions. Occasional.


ECP 4302 BA-ECON 3(3,0) Environmental and Natural Resource Economics: PR: ECO 2013 and ECO 2023 or C.I. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the micro-economic and macroeconomic level. Odd Fall.

ECP 4403 BA-ECON 3(3,0) Industrial Organization and Game Theory: PR: ECO 2013 and ECO 2023. A study of the performance of industries representative of various types of market structure and practices, as well as the public policies affecting these industries. Even Spring.

ECP 4703 BA-ECON 3(3,0) Managerial Economics: PR: Junior standing, AGS 2071, ECO 2013, ECO 2023 and ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation. Open for non-majors ONLY. Spring.


EDE 3942 ED-TLP 3(3,0) Internship I: PR: EDG 4410, RED 3012, RED 4519, MAC 2801, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EDE 4223 ED-TLP 3(3,0) Integrated Arts and Movement in the Elementary School: PR: Admission to Elementary Education. Provides the prospective teacher with knowledge, skills, and dispositions to integrate arts and movement into the education of elementary school children. Fall, Spring. M&I fee: $10.00
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EDE 4943 ED-TLP 7-12(0,35)

EDE 4945 ED-TLP 1(1,0)
Internship II Seminar: PR: All required program courses; CR: EDE 4943 Internship II. Culminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDE 1942 ED-ES 3(3,0)
Introduction to Educational Internship: Introduction to educational internship with selected partnership institutions. Occasional.

EDE 2005 ED-ES 3(3,0)
Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.

EDE 2007 ED-ES 3(3,0)
Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. Fall, Spring.

EDE 2085 ED-ES 3(3,0)
Introduction to Diversity for Educators: An introduction to factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.

EDE 2130 ED-ES 3(3,0)
Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDE 2250 ED-ES 3(3,0)
Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.

EDE 2720 ED-ES 3(3,0)

EDE 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.

EDE 3303 ED-ES 3(3,0)

EDE 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.

EDE 3740 ED-ES 3(3,0)

EDE 4214 ED-ES 3(3,0)
Classroom Learning Principles: PR: EDE 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.

EDE 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. Fall, Spring.

EDE 4467 ED-ES 3(3,0)

EDE 4603 ED-ES 3(3,0)
Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDE 2005, EDE 2085, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDE 4603H ED-ES 3(3,0)
HON Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy with Honors content. Fall.

EDE 5245 ED-ES 3(3,0)

EDE 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 3(3,0)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service. Fall, Spring.

EDG 2311 ED-ES 3(3,0)
Teaching Strategies for Substitute Teachers: Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.

EDG 4323 ED-ES 3(3,0)
Professional Teaching Practices: PR: EDE 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.

ED 4410 ED-ES 3(3,0)
Teaching Strategies and Classroom Management: PR: EDE 2005, EDE 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.

ED 4941 ED-ES 1-8(1-8)
Directed Field Experience: PR: Approval of Professional Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

ED 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.

ED 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.

ED 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 TA's and help students deliver better technical presentations. Occasional.

EDS 5356 ED-TLP 3(2,1)
Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the standards of clinical supervision and assure attainment of the Florida Educator Accomplished Practices. Fall, Spring.

ECC 2001 ED-CFCS 3(3,0)

ECC 3214 ED-ES 3(3,0)

ECC 3613 ED-CFCS 3(3,0)

ECC 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.

ECC 3940 ED-CFCS 3(0,3)
Integration Internship II: PR: Senior Status; RED 4311 or RED 3310. Field based placement in which the students will have supervised practice integrating course content areas. Occasional.

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Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded SU. Occasional.
M&S fee: $15.00


EEL 4140C ECE-ECE 4(3,3) analog filter design: PR: EEL 3123C. Passive and active analog filter design. Fall. M&S fee: $15.00


EEL 4216 ECE-ECE 3(3,0) fundamentals of electric power systems: PR: EEL 3004 or C.I. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. Spring.

EEL 4436C ECE-ECE 4(3,3) Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. May be repeated for credit. Odd Fall. M&S fee: $15.00

EEL 4440 ECE-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 ECE-ECE 3(3,0) Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including satellite communications, earth stations, link analysis, FDMA and TDMA. May be repeated for credit. Fall.

EEL 4612 ECE-ECE 3(3,0) Introduction to Modern and Robust Control: PR: EEL 3567. Classical control theory including differential equations and Laplace transform techniques, stability analysis, and classical frequency domain design. Occasional.

EEL 4635C ECE-ECE 4(3,3) Computer Control Systems: PR: EEL 3657. Discrete-time systems, the Z-transform, and single loop computer control systems. Digital simulation in the analysis and design of processes with embedded computers. No graduate credit for both EEL 5630 and this course. Occasional. M&S fee: $15.00


EEL 4767C ECE-ECE 4(3,3) Embedded Systems: PR: EEE 3342C. Microcontroller systems assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. Fall, Spring. M&S fee: $30.00

EEL 4768C ECE-ECE 4(3,3) Computer Architecture: PR: EEL 3801. Computer systems performance and evaluation, processor datapath and control, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory, and RISCvs. CISC. Fall, Spring. M&S fee: $30.00


EEL 4817H ECE-ECE 3(3,0) Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 4818H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECE-ECE 3(3,0) Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4818H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Fall.

EEL 4832 ECE-ECE 4(3,0) Engineering Applications of Computer Methods: PR: MAP 2302, STA 3032, EEL 3801, EEL 4832, EEL 4834. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization, and multidimensional root finding. Application to object-oriented structures. Fall, Spring. M&S fee: $30.00

EEL 4851C ECE-ECE 4(3,3) Engineering Data Structures: PR: EEL 3801C. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, searches, and sorts. Introduction to object-oriented structures. Fall, Spring. M&S fee: $50.00

EEL 4872 ECE-ECE 3(3,0) Engineering Applications of Intelligent Systems: PR: EEL 4851C or COP 3503C or equivalent or C.I. Knowledge and intelligence, predicate logic and automated reasoning, heuristic search, knowledge representation, automated planning, introduction to machine learning, knowledge-based systems and philosophy of AI. Occasional.

EEL 4892 ECE-ECE 3(3,0) Engineering Systems Software: PR: EEL 4851C and EEL 4767C. Introduction to operating systems concepts and facilities for engineering applications, including multiprogramming, resource allocation and management, systems utilities, and operating system implementation. Fall, Spring.

EEL 4884C ECE-ECE 4(3,3) Engineering Software Design: PR: EEL 4851C. Software systems development life cycle, function and object-oriented methodologies, CASE, Analysis, design, and development of a large software project. Fall, Spring. M&S fee: $5.00

EEL 4890 ECE-ECE 3(3,0) Continuous System Simulation I: PR: MAP 2302. Numerical integration techniques and discrete time system models for approximating the dynamics of continuous systems. Occasional.

EEL 4914 ECE-ECE 3(3,0) Senior Design I: PR: EEE 3307C, EEL 4767C, and consent of School of ECECS. Applications of engineering design to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall, Spring.

EEL 4915L ECE-ECE 3(0,3) Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering projects including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report. Fall, Spring. M&S fee: $15.00

EEL 5173 ECE-ECE 3(3,0) Linear Systems Theory: PR: EEL 3657. Models and properties of linear systems, transformation, controllability and observability, control and observer designs, MFD, and realization theory. Spring.

EEL 5232C ECE-ECE 3(3,0) Power Electronics: PR: EEL 4309C. Principles of power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cycloconverters, applications. Fall.

EEL 5272 ECE-ECE 3(3,0) Biomedical Sensors: PR: EEL 4750 or EEL 4832 or C.I. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.

EEL 5432 ECE-ECE 3(3,0) Satellite Remote Sensing: PR: EEL 3470 or PHY 4324. Fundamentals of satellite remote sensing, orbits and geometries, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophysical measurements. Occasional.

EEL 5437C ECE-ECE 4(3,3) Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. Even Fall. M&S fee: $15.00

EEL 5439C ECE-ECE 3(2,1) RF and Microwave Communications: PR: EEE 4436C or equivalent. RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers. Occasional. M&S fee: $30.00

EEL 5462C ECE-ECE 3(3,1) Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas, dipoles, loops, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall. M&S fee: $5.00

EEL 5482 ECE-ECE 3(3,0) Electromagnetic Theory I: PR: Graduate standing or C.I. Maxwell’s equations, boundary conditions, propagation and reflection, guided waves. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 3102</td>
<td>Language Development and Communication Disorders</td>
<td>3(3.0)</td>
<td>Study of the development of language and communication disorders in children.</td>
</tr>
<tr>
<td>EEX 3221</td>
<td>Assessment of Exceptional Students: Frequent and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students.</td>
<td>3(3.0)</td>
<td>This course prepares students to administer formal and informal assessments.</td>
</tr>
<tr>
<td>EEX 3241</td>
<td>Methods for Academic Skills for Exceptional Students</td>
<td>3(3.0)</td>
<td>Development and practice of effective teaching and management strategies for exceptional students.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

EGN 3321 ECS-MMAE 3(3,0)
Engineering Analysis-Dynamics: PR: EGN 3310; CR: MAC 2313. Kinematics and dynamics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall, Spring.

EGN 3321H ECS-MMAE 3(3,0)
Engineering Analysis - Dynamics Honors: PR: Permission of Honors and EGN 3310. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. Occasional.

EGN 3331 ECS-CEE 3(3,0)

EGN 3343 ECS-MMAE 3(3,0)

EGN 3343H ECS-MMAE 3(3,0)

EGN 3358 ECS-MMAE 3(3,0)

EGN 3365 ECS-MMAE 3(3,0)

EGN 3373 ECS-CEE 3(3,0)

EGN 3373H ECS-CEE 3(3,0)
Principles of Electrical Engineering Honors: PR: Permission of Honors and PHY 2049; CR: MAP 2302. Fundamentals of electrical circuits and analysis; fundamentals of electronics and AC power systems, transformers, electromechanics and rotating machines. Fall, Spring.

EGN 3420 ECS-CEE 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 3843 ECS-IEMS 3(3,0)

EGN 4300C ECS-ENT 3(2,2)
Hydrogen Production and Handling: PR: CHM 1032, CHM 103L, and PHY 2053C. Basic concepts and principles of hydrogen technologies to include properties, usage, safety, storage and production. Even Fall.

EGN 4412C ECS-MMAE 3(1,5)

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 4641C ECS-ECS 3(2,2)
Engineering Entrepreneurship: PR: Senior standing. EBS 4152, or C.I. All aspects of a successful engineering entrepreneurship enterprise. Content includes lectures, case studies, and seminars. Active student participation. Course material is augmented through seminars given by engineers, business people, and specialists, based on their own experiences. Occasional.

EGN 4706C ECS-MMAE 3(2,4)
Small Satellite Payloads and Integration: PR: EML 3500C or EAS 3800C or EEL 3801C or ESI 4523C. Evaluate overall impact of integration and design concepts on various satellite component subsystems and their pay-loads into a small satellite system design leading to a final configuration. Occasional.

EGN 4707C ECS-MMAE 3(2,4)
Processing Space-Launch Systems: PR: For ECE, EEL 3525C or EEL 4787C; For ENS: ESI 4523C; For AES: EAS 3800C. Assembly and test techniques for preparing and check-out of the space-launch system "Initial Upper Stage." May be repeated for credit. Occasional.

EGN 4730 ECS-ENT 3(3,0)
Renewable Energy Systems: PR: EEM 4220. Well-to-wheel analysis, lifecycle energy and emissions, total cost. Skill set, methodologies and tool kits needed to analyze various technologies on a consistent basis for a given application. Even Fall.

EGN 4731C ECS-MMAE 3(2,2)
Fuel Cell Technologies: PR: CHM 1032, CHM 103L, PHY 2053C and MAC 2253 or MAC 2311. Basic concepts and principles of fuel cell technologies to include chemistry, thermodynamics, electrochemistry, cell components and operating conditions. Even Spring.

EGN 4804 ECS-ENT 3(3,0)
Energy and Society: Investigation of available energy forms, energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.

EGN 4830 ECS-ENT 3(3,0)
Telecommunications: Telecommunications and its role in contemporary local, national, and international society. Occasional.

EGN 4921C ECS-ECS 2(2,1)
Interdisciplinary Research and Development I: PR: Junior standing in Engineering or Computer Science major. Research and methodology seminar. Topics to include: intellectual property, patents, global R&D, dissemination of findings. Seminar presentations by guest research lecturers. Occasional.

EGN 4922C ECS-ECS 2(1,1)
Interdisciplinary Research and Development II: PR: EGN 4921C. Continuation of EGN 4921C. Occasional.

EGN 4931H ECS-ECS 3(3,0)
Engineering Honors Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology operating permeated 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 4934C ECS-ECS 2(1,2)
Professional Practice II: PR: EGN 4933C. Continuation of EGN 4933C. Occasional.

EG 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 3343 or EGN 3358 or C.I. Internal combustion engine operating principles. Topics covered include engine design and manufacturing, combustion, thermodynamics, induction flow, and basic mathematical models. Even Fall, Even Spring. M&S fee: $45.00

EGN 5840 ECS-MMAE 3(3,0)
Small Rocket Applications for Teachers: PR: Admission to Lockheed Martin UCF Teaching Academy. Earth and space environments, rocket propulsion, meteorological and environmental measurements, propulsion technologies, 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. Spring. M&S fee: $45.00

EIN 3000 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 3(2,2)
EIN 3354  ECS-IEMS  3(3,0)  Principles of Cost Engineering: PR: EGN 3613. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle. Fall.

EIN 4191C  ECS-IEMS  2(2,2)  Engineering Leadership Seminar II: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (intrapersonal to interpersonal organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C  ECS-IEMS  2(2,2)  Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.

EIN 4214  ECS-IEMS  3(3,0)  Safety Engineering and Administration: Analysis of accidents in the industrial operating environment. Application of fault trees, OSHA requirements. Consideration of accident costs and organizational aspects of accident prevention. Occasional.


EIN 4364C  ECS-IEMS  3(2,2)  Industrial Facilities Planning and Design: PR: EIN 3314C, EIN 3354 CR EIN 4333C, EIN 4391C. Comprehensive design of industrial production systems, including interrelationships of plant location, process design, and materials handling. Laboratory assignments. Spring. M&S fee: $20.00.

EIN 4391C  ECS-IEMS  3(2,3)  Manufacturing Engineering: PR: CHM 2045C or CHS 1440 and Junior Standing or C.I. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall. Spring. M&S fee: $20.00.

EIN 4450  ECS-IEMS  3(3,0)  Principles of Concurrent Engineering: PR: EGN 3613 or C.I. Elements of concurrent engineering and its application. Topics include quality function deployment and design for manufacturing and assembly. Even Spring.


EIN 4517  ECS-IEMS  3(3,0)  Systems Engineering: PR: STA 2023 or STA 3022 and Senior Standing or C.I. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Fall.

EIN 4545C  ECS-IEMS  3(2,2)  Industrial Engineering Applications in The Service Industries: PR: EIN 3314C, ESI 4312, ESI 4234 or CI. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Even Fall.


EIN 4891C  ECS-IEMS  3(2,3)  Industrial Engineering Senior Design Project: PR: EIN 4516C, Senior standing. Capstone design course; application of IEMS techniques to real-world design applications. Spring. M&S fee: $15.00.

EIN 5108  ECS-IEMS  3(3,0)  The Environment of Technical Organizations: PR: Graduate status or C.I. EGN 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5117  ECS-IEMS  3(3,0)  Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. Spring.

EIN 5140  ECS-IEMS  3(3,0)  Project Engineering: PR: Graduate standing or C.I. Role of engineer in project management with emphasis on project life cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall, Spring.

EIN 5248C  ECS-IEMS  3(2,2)  Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall. M&S fee: $20.00.

EIN 5251  ECS-IEMS  3(3,0)  Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and story-board evaluation; techniques; query techniques; laboratory techniques; and field study approaches. Occasional.

EIN 5255C  ECS-IEMS  3(2,2)  Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment. Fall, Spring.

EIN 5317  ECS-IEMS  3(3,0)  Training System Design: PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. Fall.

EIN 5346  ECS-IEMS  3(3,0)  Engineering Logistics: Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5356  ECS-IEMS  3(3,0)  Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Spring.


EIN 5388  ECS-IEMS  3(3,0)  Forecasting: PR: ESI 5219. Industrial applications of forecasting methods, emphasis on microcomputer-based packages. Occasional.


EIN 5611C  ECS-IEMS  3(2,2)  Computer Control of Manufacturing Systems: PR: EIN 4391C, and EIN 4621C or EML 4530C or C.I. Automated systems for manufacturing, numerical control (NC) machines, NC programming, robot control and programs, machine and system control. Odd Spring. M&S fee: $45.00.

EIN 5936  ECS-IEMS  1(1,0)  Seminar in Industrial Engineering: Doctoral Research: PR: C.I. Essential topics for doctoral research including research areas, skills, funding, proposals, ethics, mentors, seminars, societies, conferences, presentations, interviewing, grants, and publishing. Fall.

ELD 4011  ED-CFCS  3(3,0)  Intro to Specific Learning Disabilities: Nature and needs of students with learning disabilities to include history, theories, characteristics, definitions, assessments, issues, and application of effective teaching practices. Occasional.


ELD 4242  ED-CFCS  3(3,0)  Program Planning for Specific Learning Disabilities: PR: Senior standing. Development of highly specialized techniques, curriculum materials, to be used with students with special learning disabilities. Occasional.

EMA 1002  ECS-MMAE  3(3,0)  Materials in Today’s World: A survey of the properties, manufacture, and uses of metals, ceramics, and polymers in today’s world with emphasis on modern developments and new materials. Occasional.


EMA 3012C  ECS-MMAE  3(2,2)  Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGN 3361. Materials characterization (optical and scanning electron microscopy, X-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). Fall, Spring. M&S fee: $45.00.

EMA 3014  ECS-MMAE  3(3,0)  Nanomaterials Characterization and Applications: PR: EMA 3691. Microstructural and chemical characterization of nanostructures, nano-coatings, corrosion, magnetics, quantum dots for solar cells, materials for hydrogen economy, laboratory on material characterization. Occasional.

EMA 3124  ECS-MMAE  3(3,0)  Design and Selection of Materials: PR: EGN 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: CH3 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 4102 ECS-MMAE 3(3,0) Thermodynamics and Kinetics of Materials: PR: EGN 3343. EGN 3385 or EMA 3706; and a "C" (2.0) or better in all of the following: CH3 1440 or CHM 2045C, MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Application of first, second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. Fall.

EMA 4103 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) Polymer Science and Engineering: PR: EGN 3365. Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. Occasional.


EMA 5108 ECS-MMAE 3(3,0) Surface Science: PR: PHY 2049 and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopies utilizing electron, ion and photon probes. Occasional.

EMA 5140 ECS-MMAE 3(3,0) Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.


EMA 5415 ECS-MMAE 3(3,0) Electronic Principles of Materials Properties: PR: EGN 3365 or C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. Fall.

EMA 5504 ECS-MMAE 3(2,2) Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EMA 5505 ECS-MMAE 3(2,2) Scanning Electron Microscopy: PR: EMA 5104 or C.I. A review of electron optics, beam/specimen interactions, image formation, X-ray analysis, specimen preparation, microelectronic applications and crystallography in the SEM. Occasional.

EMA 5517 ECS-MMAE 3(2,2) Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5504 or C.I. Principle of interactions between ion beam and solid materials; sputtering and scattering theories; fundamentals and applications of secondary ion mass and Rutherford Backscattering spectrometry. May be repeated for credit. Occasional.


EMA 5585 ECS-MMAE 3(3,0) Materials Science of Thin Films: PR: Graduate standing or C.I. Introduction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.

EMA 5586 ECS-MMAE 3(3,0) Photovoltaic Solar Energy Materials: PR: EGN 3365. Materials properties basic to photovoltaics, structures, homoelectric, heterojunction, and surface barrier solar cells, AMPS-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.


EMA 5588 ECS-MMAE 3(3,0) Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; cell-biomaterials interactions, engineering bone and cartilage, soft-tissue replacements; total hip replacements; nanostuctured biomaterials; imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.


EMA 5705 ECS-MMAE 3(3,0) High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

EME 2040 ED-ERTL 3(3,0) Introduction to Technology for Educators: Introduction to technology for educators, including classroom management, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall, Spring. M&S fee: $1.00.

EME 2041 ED-ES 3(3,0) Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

EME 4312 ED-ERTL 3(3,0) Applications of Technology in Education: Classroom applications of instructional media, including computers. Includes experiences with equipment, professional and teacher-made media, and their use. Occasional.

EME 5050 ED-ERTL 3(3,0) Fundamentals of Technology for Educators: PR: Post bac or C.I. Designed to provide students with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

EME 5051 ED-ERTL 3(3,0) Technologies of Instruction and Information Management: PR: Acceptance into Ed Media Program or C.I. Theories and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

EME 5053 ED-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.

EME 5057 ED-ERTL 3(3,0) Communication for Instructional Systems—Application: Applications of technology, communications theory, platform skills, and instructional design to the effective presentation of training programs and instruction. Occasional.

EME 5208 ED-ERTL 3(3,0) Production Techniques for Instructional Settings: PR: Acceptance into Ed Media Program or C.I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional and communication theories. Spring.
UCF Courses and Descriptions

M&S fee: $15.00

EML 3001C ECS-MMAE 1(1,2)

EML 3034C ECS-MMAE 3(3,1)

EML 3101 ECS-MMAE 3(3,0)
Thermodynamics of Mechanical Systems: PR: EGN 3343 and a C (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Applied thermodynamics, availability analysis, thermodynamics of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic analysis design of complete systems. Fall.

EML 3262 ECS-MMAE 3(3,0)
Kinematics of Mechanisms: PR: EGN 3321 and a C (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.

EML 3303C ECS-MMAE 3(2,3)

EML 3500 ECS-MMAE 3(3,0)

EML 3701 ECS-MMAE 3(3,0)
Fluid Mechanics I: PR: EGN 3211, EGN 3343 and a C (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall, Spring.

EML 3990 ECS-MMAE 0(0,0)
Mechanical Career and Academic Faculty Advising I: PR: MAP 3002. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EML 4005 ECS-MMAE 3(3,0)

EML 4024C ECS-MMAE 3(2,2)
Engineering Design Practice: PR: EGN 3343 and EML 3500 or EAS 4200. Basic CADCAM solid modeling techniques in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring. M&S fee: $15.00

EML 4142 ECS-MMAE 3(3,0)

EML 4145 ECS-MMAE 2(2,0)

EML 4220 ECS-MMAE 3(3,0)

EML 4221C ECS-MMAE 2(1,2)

EML 4260 ECS-MMAE 3(3,0)
Dynamics of Machinery: PR: EML 3262 and EML 4220. Critical speeds and response of flexible rotor systems, whirl, gyroscopic effects; balancing of rotating and reciprocating masses; cam dynamics. Occasional.

EML 4264 ECS-MMAE 3(3,0)

EML 4293 ECS-MMAE 3(3,0)

EML 4304C ECS-MMAE 2(1,3)
Design of Thermo-Fluid Experiment: PR: EGN 3343, CR: EML 4142, EML 4220. Measurements and experiments in Thermo-Fluids systems with emphasis on project team activity. Spring. M&S fee: $45.00

EML 4312C ECS-MMAE 3(2,3)
Feedback Control: PR: EGN 3321, MAP 2302, EGN 3373 and EML 4220 or EAS 4210C. Mathematical modeling of dynamic systems: transient and steady state response; Root Locus and z-transform methods; discrete systems analysis; controller design. Fall.

EML 4411 ECS-MMAE 3(3,0)
Mechanical Power Systems: PR: EML 3101. Analysis and design of large power generating systems and components, with emphasis on steam plants utilizing both chemical and nuclear fuels. Occasional.

EML 4454 ECS-MMAE 3(3,0)
Turbines for Sustainable Power: PR: EGN 3601, EGN 3965 or EMA 3700, EML 3701 or EAS 3101, EML 4142, CR: EML 4220 or EAS 4210. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability; covers multiple applications of conventional and green technologies. Occasional.

EML 4501C ECS-MMAE 3(1,6)
Engineering Design I: PR: EML 3500, EML 3701 and EML 3303C, CR: EML 4312C, EML 4991. Application of the design process in the team solution of a state-of-the-art problem. Aerospace, mechanical, thermo-fluid, or material problems are considered. Fall, Spring. M&S fee: $15.00

EML 4502C ECS-MMAE 3(1,6)
Engineering Design II: PR: EML 4501C, EML 4991. Continuation of the design process in the team building and testing of a prototype. A final plan and a test report are completed. Fall, Spring. M&S fee: $45.00

EML 4535C ECS-MMAE 3(2,3)
CADIHAM: PR: EGN 3343, EML 3304C, and EGN 3601; CR EAS 4200 or EML 3500. CADIHAM/FEM computations technology. Basic concepts. Concurrent engineering approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software. Fall, Spring. M&S fee: $15.00

EML 4600 ECS-MMAE 3(3,0)

EML 4602 ECS-MMAE 3(3,0)
Applied HVAC Engineering: PR: EML 4600, CR: EML 4220. Applications of HVAC systems design with the objective of optimizing energy efficiency, humidify control, ventilation, and indoor air quality. Determination performance of the various HVAC system types and their interactions with the building. Spring.

EML 4703 ECS-MMAE 3(3,0)
Fluid Mechanics II: PR: EML 3701. Continuation of Fluid Mechanics I. External flows, fluid machinery, compressible flows, design projects. Fall.

EML 4804C ECS-MMAE 3(2,3)
Digital Control in Mechatronics: PR: EML 4312C and EML 3303C. Discrete microprocessor control of mechatronics dynamic systems using state-space representation, digital control, design for mechatronic applications. Spring. M&S fee: $15.00

EML 4991 ECS-MMAE 0(0,0)
Mechanical Career and Academic Faculty Advising II: PR: EML 3990; CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EML 5060 ECS-MMAE 3(3,0)

EML 5066 ECS-MMAE 3(3,0)

EML 5105 ECS-MMAE 3(3,0)
Gas Kinetics and Statistical Thermodynamics: PR: EAS 4134 or EML 4703. Molecular and statistical viewpoint of gases and thermodynamics; Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-fluid systems. Occasional.
Miniature Engineering Systems:
Fundamental Phenomenon and Scaling laws in MEMS.

MEMS Materials:
Micromachining process including laser. May be repeated for credit.


EML 5291 CAH-ENG  3(3,0)

Applied HVAC Engineering: PR: EML 4500. Applications of HVAC systems designed with the objective of optimizing energy efficiency, humidity control, ventilation and indoor air quality. May be repeated for credit.

EML 5311 ECS-MMAE  3(3,0)

EML 5402 ECS-MMAE  3(3,0)
Turbomachinery: PR: EML 5201 or EAS 4134. Application of the principles of fluid mechanics, thermodynamics, and aerodynamics to the design and analysis of steam and gas turbines, compressors, and pumps. Occasional.

EML 553C ECS-MMAE  3(3,0)
Computer-Aided Design for Manufacture: PR: EGN 4536C. Builds on introductory material covered in EML 4536C. Topics include computer modeling for the simulation, design and manufacture of mechanical, thermal, and aerospace systems. Even Fall, Spring. M&S fee: $15.00

EML 5546 ECS-MMAE  3(3,0)

EML 5572 ECS-MMAE  3(3,0)

EML 5587C ECS-MMAE  3(2,3)
Mechanics of Biostructures I: 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. Occasional.

EML 5588C ECS-MMAE  3(2,3)
Mechanics of Biostructures II: PR: EML 557C. 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. Occasional.

EML 5605 ECS-MMAE  3(3,0)
HMS Sensors: PR: EML 5201, EML 4142, EML 3034C. Heating, ventilation, air conditions and refrigeration principles, system design and analysis. May be repeated for credit. Odd Fall.

EML 5606 ECS-MMAE  3(3,0)
HVAC Systems Engineering: PR: EML 3101, EML 4142, EML 3034C. Heating, ventilation, air conditions and refrigeration principles, system design and analysis. May be repeated for credit. Odd Fall.

EML 5713 ECS-MMAE  3(3,0)

EML 5760 ECS-MMAE  3(3,0)

EML 5936 ECS-MMAE  1(1,0)
UCF Courses and Descriptions

ENC 3211H CAH-ENG 3(3,0)
Honors Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better in ENC 1102 or equivalent credit, and Consent of Honors. Definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. With Honors Content. Occasional.

ENC 3241 CAH-ENG 3(3,0)
Writing for the Technical Professional: PR: Grade of C (2.0) or better in ENC 1102 or equivalent credit, and Consent of Honors. Instruction and practice in expository prose used in technical writing, layout and design of data, and translation of technical documents for the lay audience. With Honors content. Occasional.

ENC 3250 CAH-ENG 3(3,0)
Professional Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, and 12 upper division hours in the student’s major. Major elements of professional writing with emphasis on composition of reports, proposals, letters, and memos. Fall, Spring.

ENC 3310 CAH-ENG 3(3,0)
Magazine Writing I: PR: Grade of C (2.0) or better required in ENC 1102. Intensive practice in description narration, exposition, and argumentation; control of tone, mood, viewpoint, and level of diction. Applicable to article, essay, and short story writing. Fall, Spring.

ENC 3311 CAH-ENG 3(3,0)
Advanced Expository Writing: PR: Grade of C (2.0) or better required in ENC 1102. Practice of expository writing directed to general reader. Fall, Spring.

ENC 3905 CAH-ENG 3(3,0)
Directed experience in Writing: PR: Grade of C (2.0) or better required in ENC 1102 and C.I. Individualized topics of study and skill. May be repeated for credit. Occasional.

ENC 3942 CAH-ENG 3(3,0)
Journal Writing Practicum: PR: Grade of C (2.0) or better required in ENC 1102. An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion. Occasional.

ENC 4215 CAH-ENG 3(3,0)
Technical Publication and Project Management: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technology, stressing composition and printing, word processing, automated text processing, methods of reproduction. Introduction of graphics; style, format, layout, and boardwork. Spring. M&S fee: $10.00

ENC 4218 CAH-ENG 3(3,0)
The Visual in Technical Documentation: PR: Grade of C (2.0) or better required in ENC 4293. Relevant theories of the visual and their application to technical communication practice. Fall. M&S fee: $10.00

ENC 4262 CAH-ENG 3(3,0)
International Technical Communication: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. International issues in the field of technical communication including internationalizing documents, user interface design, international collaboration, and rhetorical and logistical challenges. Occasional.

ENC 4265 CAH-ENG 3(3,0)
Writing for the Computer Industry: PR: Grade of C (2.0) or better in ENC 1102 and junior standing, or C.I. Creating different kinds of software manuals or online help systems for the computer industry. Occasional.

ENC 4275 CAH-ENG 3(3,0)
Writing/Consulting: theory & practice: PR: C.I. Theory and practice of assessing and responding to writing from the standpoint of a collaborator, as opposed to evaluator. Occasional.

ENC 4280 CAH-ENG 3(3,0)
Technical Writing Style: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. Strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. Spring.

ENC 4290 CAH-ENG 3(3,0)
Usability Testing for Technical Communication: PR: Grade of C (2.0) or better required in ENC 4293 or C.I. Usability theory and techniques for evaluating manuals, online documentation, and other technical communication genres. Occasional.

ENC 4293 CAH-ENG 3(3,0)
Documentation and the Collaborative Process: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include style manuals, policies and procedures, and training manuals. Fall, Spring.

ENC 4294 CAH-ENG 3(3,0)
Documentation and Client-Based Collaboration: PR: Grade of C (2.0) or better required in ENC 4293. Practical application of editing theory to large ongoing projects from the student's particular field. Should be taken concurrently with ENC 4215. Fall, Spring. M&S fee: $10.00

ENC 4312 CAH-ENG 3(3,0)
Theory & Practice Persuasive Writing: PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical emotional and ethical appeals. Occasional.

ENC 4313 CAH-ENG 3(3,0)
Research Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. Occasional.

ENC 4360 CAH-ENG 3(3,0)
Nature Writing: PR: Grade of C (2.0) or better required in CRW 3013. English major or minor and junior standing, or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. Occasional.

ENC 4414 CAH-ENG 3(3,0)
Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Theories of electronic literacy and information to develop a more critical sensibility regarding hypertext. Occasional.

ENC 4415 CAH-ENG 3(3,0)
Digital Rhetorics and The Modern Diatetic: PR: Grade of C (2.0) or better required in ENC 1102. This online course explores the development of digital/online rhetorics through a close reading and analysis of formal and informal rhetorical texts, modern American fiction, and films. Fall, Spring.

ENC 5216 CAH-ENG 3(3,0)
Editing Professional Writing: PR: Graduate status or junior 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 5225 CAH-ENG 3(3,0)
Theory and Practice of Document Usability: PR: Graduate status or junior 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 innovative or freelance writing programs to address those needs. Occasional.

ENC 5276 CAH-ENG 3(3,0)
Writing/Consulting: Theory and Practice: PR: Graduate status or senior standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). Occasional.

ENC 5291 CAH-ENG 3(3,0)
Developing Professional Writing Projects: PR: Graduate status or C.I. Developing Professional Writing is a course in which students learn the basics of planning writing projects, including scheduling, budgeting, collaborative writing, production, and problem solving. Occasional.

ENC 5337 CAH-ENG 3(3,0)
Modern Rhetorical Theory: PR: Graduate status or senior standing or C.I. With special attention to the rhet-or-audience relationship, the course studies history and practice of modern rhetorical theory. Spring.

ENC 5705 CAH-ENG 3(2,1)
Theory and Practice in Composition: PR: Graduate status or senior standing or C.I. Intensive study of theories of composition, with practical experience in the writing laboratory and in composition classes. Spring.

ENC 5745 CAH-ENG 3(3,0)
Teaching Practicum: PR: ENC 5705, graduate status or senior standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester. GTA’s will participate in staff development and individual conferences with their mentors. Occasional.

ENC 5930 CAH-ENG 3(3,0)
Current Topics in Professional Writing: PR: Graduate status or C.I. Students will learn how to produce texts for specialized fields of discourse, including the medical and legal profession, as well as for general publication. Occasional.

ENG 3010 CAH-ENG 3(3,0)
Practical Criticism: PR: Grade of C (2.0) or better required in ENC 1102. Student evaluation of selected fiction, poetry, and drama through practical exercises in literary criticism. Occasional.

ENG 3014 CAH-ENG 3(3,0)
Theories and Techniques of Literature Study: PR: Junior standing, or C.I., and C. (2.0) or better required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. Fall, Spring.

ENG 3073 CAH-ENG 3(3,0)
Cultural Studies Literature: PR: Grade of C (2.0) or better required in ENC 1102. The theoretical and cultural developments over time that call for broadening the applications of literary analysis to produce cultural studies. Occasional.

ENG 4114 CAH-ENG 3(3,0)
Literature and Film: PR: Grade of C (2.0) or better required in ENC 4114. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.
EN 4614 CAH-ENG 3(3,0) Discourse of Global Cultural Studies: PR: ENG 3014. American popular culture texts in world context, using concepts and theories from global cultural studies to analyze transmission, translation, and appropriation. Occasional.

EN 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.

EN 5018 CAH-ENG 3(3,0) Literary Criticism: PR: Graduate status or senior standing or C.I. Historical survey of major critiques from classical antiquity to the modern era. Spring.

ENL 2012 CAH-ENG 3(3,0) English Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Beowulf to 1798. Fall, Spring.

ENL 2022 CAH-ENG 3(3,0) English Literature II: PR: Grade of C (2.0) or better required in ENC 1102. From 1798 to 1914. Fall, Spring.

ENL 3231 CAH-ENG 3(3,0) Restoration Literature: PR: Grade of “C” or better in ENC 1102. This course surveys the poetry, drama, and prose written during the Restoration era (1660-1700) and the social, historical, and political contexts. Occasional.

ENL 3296 CAH-ENG 3(3,0) Gothic Literature: PR: Grade of “C” or better required in ENC 1102. A study of Gothic literature (prose, poetry, drama) in the British Isles and its cultural contexts. Occasional.

ENL 3654 CAH-ENG 3(3,0) Black British Literature: PR: Grade of “C” or better required in ENC 1102. Study of literature written inside the UK by authors of African, South Asian, and Caribbean lineage. Occasional.

ENL 3951 CAH-ENG 3(3,0) Orlando Shakespeare Festival: PR: ENC 1102. Involvement in theory and practice of Shakespeare’s art by performance-oriented study and participation in the Orlando Shakespeare Festival’s pre-season activities and productions. Occasional.

ENL 3951H CAH-ENG 3(3,0) Orlando Shakespeare Festival Honors: PR: ENC 1102 and permission of Honors. Honors theory and practice of Shakespeare’s art by performance-oriented study and participation in the Orlando Shakespeare Festival’s pre-season activities and productions. Occasional.

ENL 4101 CAH-ENG 3(3,0) English Novel: PR: Grade of C (2.0) or better required in ENG 3014. Analysis of major English novelists. Occasional.

ENL 4220 CAH-ENG 3(3,0) English Renaissance Poetry and Prose: PR: Grade of C (2.0) or better required in ENG 3014. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spenser, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Lyly & others. Occasional.

ENL 4230 CAH-ENG 3(3,0) 18th Century Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of literature in English: 1660-1880. May be repeated for credit. Occasional.

ENL 4240 CAH-ENG 3(3,0) English Romantic Writers: PR: Grade of C (2.0) or better required in ENG 3014. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlitt, Lamb, Byron, Shelley and Keats. Occasional.

ENL 4253 CAH-ENG 3(3,0) The Victorian Age: Poetry: PR: Grade of C (2.0) or better required in ENG 3014. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, the Rossettis, and Emily Bronte. Occasional.

ENL 4254 CAH-ENG 3(3,0) Nineteenth Century British Prose: PR: Grade of C (2.0) or better required in ENG 3014. Essays and fiction of the nineteenth century. Occasional.

ENL 4273 CAH-ENG 3(3,0) Modern British Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern British literature. Occasional.

ENL 4303 CAH-ENG 3(3,0) British Authors: PR: ENG 3014. Study of the works of a single British author. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ENL 4311 CAH-ENG 3(3,0) Chaucer: PR: Grade of C (2.0) or better required in ENG 3014. The Canterbury Tales, Troilus and Criseyde, and other works. Occasional.

ENL 4333 CAH-ENG 3(3,0) Shakespeare Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of Shakespeare’s plays. May be repeated for credit. Occasional.

ENL 4341 CAH-ENG 3(3,0) Milton and His Age: PR: Grade of C (2.0) or better required in ENG 3014. Paradise Lost, Paradise Regained, Samson Agonistes, shorter poems and selected prose. Occasional.

ENL 5006 CAH-ENG 3(3,0) British Literature: Medieval to Modern: PR: Graduate status or senior standing or C.I. Survey of British Literature from beginnings to present, with instruction in the fundamentals of prose, poetry, and drama. Emphasis on Literature’s social and historical contexts. Occasional.

ENL 5237 CAH-ENG 3(3,0) Eighteenth Century Studies: PR: Graduate status or senior standing or C.I. Reading, analysis, and discussion of literature in English:1660-1880. Occasional.

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.

ENV 3001 ECS-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. Fall, Spring.


ENV 4112C ECS-CEE 3(2,2) Air Pollution Measurements Lab: Measurement of gaseous flow,okinetic sampling, and pollutant quantification. Emphasis is placed on EPA methods. Occasional. M&S fee: $30.00

ENV 4120 ECS-CEE 3(3,0) Air Pollution Control: PR: ENG 3243, CWR 3201, and ENV 3001 with a grade of “C” (2.0) or better. Air resources management, engineering design, and operation of air pollution control systems. Fall.

ENV 4122C ECS-CEE 3(2,2) Air Pollution Control Design: PR: ENV 4120. Project course on design of air pollution control equipment and systems. Spring. M&S fee: $15.00


ENV 4341 ECS-CEE 4(4,0) Solid & Hazardous Waste Management: PR: Grade of “C” (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 4432 ECS-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 4563 ECS-CEE 3(3,0) Environmental Control Systems: PR: EGN 3343, EGN 3373 and CWR 3201 CR ENV 4561. Analysis and design of process control systems in environmental engineering applications including process dynamics, instrumentation, and control system configuration. Occasional.


ENV 5116C ECS-CEE 3(2,3) Air Pollution Monitoring: PR: C.I. Air Pollution sampling techniques, equipment, and monitor siting. Emphasis on theory and direct applications in air pollution monitoring. Occasional. M&S fee: $15.00
Characterization of Hazardous Waste Sites: PR: CWR 410C and ENV 4341 or C.I. Practical and comprehensive methods of hazardous waste site characterization to determine site properties, contamination type, magnitude and risk, and remedial actions. Occasional.

ENV 5335 ECS-CEE 3(3,0) Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. Occasional.

ENV 5356 ECS-CEE 4(4,0) Solid and Hazardous Waste Management: PR: Grade of 'C' (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 5410 ECS-CEE 3(3,0) Drinking Water Treatment: PR: ENV 4561. Drinking water treatment using existing and newly developed processes. Fe, Mn, As, N3, DBP3, SOCs and other contaminants using oxidation, membranes, ion exchange, precipitation, sorption, and other processes. Occasional.


ENV 5517 ECS-CEE 3(3,0) Engineering Chemical and Biological Processes: CR: ENV 4561 (or equivalent) or C.I. Coverage of equilibrium aquatic chemistry, softening and coagulation, and disinfection of water. Microbiology and biochemistry applied to activated sludge system design. Fall.

ENV 5563 ECS-CEE 3(3,0) Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with the emphasis on cost-effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. Occasional.


EPH 5395 ED-CFCS 3(3,0) Physical and Sociological Implications of Handicapping Conditions: Overview of physical and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. Occasional.


ESE 4942 ED-TLP 1(1,0) Internship II Seminar: PR: Internship I in the specific discipline; CR: Internship II in the specific discipline. Culminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. Fall, Spring.

ESE 4943 ED-TLP 7-12(0,35) Internship II — Secondary: PR: ESE 3940 or EDE 3942. Student teaching in a secondary school under the direction of a certified classroom teacher. Scheduled concurrent seminars. Graded S/U or Letter grade. Occasional.

ESE 5214 ED-TLP 3(3,0) Secondary School Curriculum Improvement I: PR: Regular Certificate or C.I. Secondary School self studies for curriculum projects, accreditation reports, or staff development. Occasional.


ESE 4234 ECS-IEMS 3(3,0) Quality Engineering: PR: STA 3032. Basic concepts and techniques of quality control; applications of statistics in industrial research; design of quality assurance systems; reliability engineering. Fall.

ESE 4312 ECS-IEMS 3(3,0) Operations Research: PR: STA 3032. Introduction to linear, non-linear, and dynamic programming, Decision analysis, random processes, and queuing. Course covers theory through application and implementation of results. Fall.

ESE 4321 ECS-IEMS 3(3,0) Quantitative Techniques in Industrial Engineering: PR: ESI 4312. Extension of ESI 4312, with primary emphasis on Operations Research and statistical applications to industrial engineering problems. Even Fall.

ESE 4523C ECS-IEMS 3(2,3) Systems Simulation: PR: STA 3032, EGN 3211 or high level programming language. Methods and procedures for simulating large-scale systems with digital computers. High level programming and simulation languages are used. Spring. M&S fee: $20.00.


ESE 5219 ECS-IEMS 3(3,0) Engineering Statistics: PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, non-parametric stats and ANOVA. Fall, Spring.

ESE 5227 ECS-IEMS 3(3,0) Total Quality Improvement: PR: STA 3032 or equivalent. Quality improvement (QI) tools and techniques, advanced QI techniques, quality improvement systems, total quality management concepts and implementation, planning and management tools, and case studies. Odd Fall.

ESE 5236 ECS-IEMS 3(3,0) Reliability Engineering: PR: ESI 4234 or equivalent, C.I. Reliability theory and modeling approaches. Topics include: failure data analysis, maintainability, reliability standards (DOD), software reliability, reliability in design, and electronic systems reliability. Fall.

ESE 5306 ECS-IEMS 3(3,0) Operations Research: PR: STA 3032. Methods of operations research, including formulation for models and derivation of solutions; linear programming, network models queueing theory, simulation, and nonlinear optimization techniques. Fall.

ESE 5359 ECS-IEMS 3(3,0) Risk Assessment and Management: PR: ESI 5219 or STA 3032. Problems and complexes involved in risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences. Occasional.

ESE 5419C ECS-IEMS 3(2,2) Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5306. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, computer networks, and other engineering areas. Focuses on practicing or analyses. Odd Fall. M&S fee: $45.00.

ESE 5531 ECS-IEMS 3(3,0) Discrete Systems Simulation: PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated. Spring.

EST 3211 ECS-ENT 3(3,0) Wave Photonics: PR: EST 3222, and EET majors. Wave properties of light, interaction with different media, and photonics technologies and systems based on wave nature of light. Spring.

EST 3213 ECS-ENT 3(3,0) Photonics Simulation: PR: EST 3222. The behavior of light in standard optical systems consisting of both refractive and reflective light. Begin with general optic principles and end with system design. Not open to Physics majors or minors. Fall.

EST 3222 ECS-ENT 3(3,0) Photonics Technology: PR: PHY 2053C, PHY 2054C, MAP 3401, MAC 2312, and MAC 2553 or MAC 2311. Course will introduce engineering technology students to the field of photonics. Light properties, optics, lasers, systems. Fall.

EST 3543C ECS-ENT 3(2,2) Programmable Logic Applications and Device Integration: PR: MAC 1105, EET 3085C, or equivalent. Builds on knowledge of logic fundamentals programming technologies, integrated circuits, and number systems to operate and test systems using programmable logic protocol. Fall, Spring.

EST 4225 ECS-ENT 3(3,0) Manufacturing of Photonics: PR: EST 3222. Manufacturing processes and practices of photonic devices and systems. Tolerance studies, manufacturing lines, tests, measurements, and other topics related to low and high volume photonics manufacturing. Fall.

EST 4227 ECS-ENT 3(3,0) Photonic Sensors and Devices: PR: EST 3213, EST 3211. How light is converted to electrons to incorporate an electronic system. Standard means of detecting light such as photodiodes and charge-coupled devices will be covered. Spring.


EST 4256 ECS-ENT 3(3,0) Photonics Communication: PR: EST 4227, EST 4236. The use of light as media for transmission of information. Modulation techniques, light transmission through different mediums, and detection and demodulation. Spring.

EST 4500C ECS-ENT 4(3,2) Metrology and Instrumentation: PR: ETG 3541, EET 3085C, or equivalent. An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. Spring. M&S fee: $10.00.
ETC 4206 ECS-ENT 3(3.0) Construction Estimating: PR: MAC 1114 or EGN 1111C or equivalent & ETC 4241C. Techniques of making estimates, including the use of computerized estimating techniques, subcontractor bid amounts, and construction overhead costs and profits. Software packages are utilized. Spring.

ETC 4241C ECS-ENT 3(2.2) Construction Materials and Methods: CR: ETG 3541. Construction principles, details, materials and methods used as related to the construction of buildings. Fall.

ETC 4242 ECS-ENT 3(3.0) Construction Contracts and Specifications: The role of construction contracts, construction specifications, product specifications, industry standards and building codes in the process of building construction. Spring.


ETC 4415C ECS-ENT 3(2.2) Applied Structural Design II: PR: ETG 3533C. Strength design of reinforced concrete members, foundations, slabs, and walls. Current code and specification requirements. Odd Fall.

ETD 3350C ECS-ENT 3(2.2) Applied CADD: PR: Junior Standing. This course in computer-aided drafting/design provides the student with the opportunity to approach detailed and intricate drafting/design problems from a computer perspective. Fall.

ETG 3533C ECS-ENT 4(3.2) Applied Engineering Strength of Materials: PR: MAC 1115, MAC 1114, EET 3041, PHY 2053C, junior standing, CR: MAC 2253 or MAC 2311. Relationship between external forces and action of members of a structure. Topics include stress, shear, moment, deflections, columns, connections, and Mohr’s circle. May be repeated for credit. Spring. M&S fee: $15.00


ETG 4950C ECS-ENT 3(1.4) Senior Design Project: PR: Senior Standing Engineering Technology major and must be within 18 hour of graduation. Supervised individual or group projects involving project definition, planning, development, testing and evaluation. Fall, Spring.

ETG 5918 ECS-ENT 3(3.0) Applied Research Methods: PR: Graduate standing or C.I. Broad overview of applied research methods from the literature review process to the investigation, modeling, experimental design, analysis of results, and technical reports. Fall.


ETI 3418C ECS-ENT 3(2.2) Computer Numerical Controls - Machining Applications: PR: ETD 3550C. Theory of methods and concepts for machining, computer numerical control programs, types of operations, cutting tools, machine tools, and electrical discharge machines. May be repeated for credit. Occasional.


ETI 3651C ECS-ENT 3(2.2) Computer Applications: PR: MAC 1105, and Junior standing. Standard engineering software packages found in most companies, institutions, and organizations to solve engineering problems. Fall, Spring.


ETI 3690 ECS-ENT 3(3.0) Technical Sales: PR: Junior standing or C.I. Application of technical knowledge to sales and service. Relationship of technical sales organization to production, customers, and competitors. Even Spring.

ETI 4150 ECS-ENT 3(3.0) Spacecraft Quality Assurance and Testing: PR: PHY 2053C. Quality assurance, reliability, and testing of space hardware and software, with the examination of designing, manufacturing, testing, and operation. Occasional.

ETI 4186 ECS-ENT 3(3.0) Applied Reliability: PR: ETI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistics phases of systems and system components. Odd Spring.

ETI 4205 ECS-ENT 3(3.0) Applied Logistics: PR: ETI 3116 or C.I. Introduction to logistics. Emphasis on practical applications. Includes systems engineering, cost systems effectiveness, reliability, maintainability, system functional analysis, logistic support analysis, life cycle cost analysis. Fall.

ETI 4381 ECS-ENT 3(3.0) Ground System Design: PR: PHY 2053C. Fundamentals of ground system design and operation, its architecture and technology. Cost and performance trade offs in the space-to-ground communications link and ground system design. Occasional.

ETI 4382C ECS-ENT 3(1.4) Launch Processing Technology: PR: or CR: ETI 4150 or C.I. Processes and methods in the preparation, integration, and launch of a space payload and launch vehicle. Includes hands-on launch processing activities in a laboratory environment. Occasional.

ETI 4448 ECS-ENT 3(3.0) Applied Project Management: PR: Junior Standing. Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations. Spring.


ETI 4635 ECS-ENT 3(3.0) Technical Administration: PR: Junior Standing. Techniques of applying management principles to professional situations held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling, production, sales, and service. Fall, Spring.

ETI 4640 ECS-ENT 3(3.0) Operations Management for Technologists: PR: ETI 4635. Scheduling techniques (PERT, CPM), are presented. Time Study Methods, Work Sampling and MTM are covered. Fall.

ETI 4661C ECS-ENT 3(2.2) Applied Facilities Planning and Design: PR: ETI 3421, engineering drawing and junior standing. The design of manufacturing facilities and material handling systems. Occasional.


ETI 4835 ECS-ENT 3(3.0) Rocket Propulsion Technology: PR: PHY 2053C, Calculus I, II, C.I. Principles of rocketry: solid, liquid and hybrid rocket stages; specific impulse computations; fuel and thrust computations; nose cone, and nozzle designs; ignition mechanisms. Fall.

ETI 4836 ECS-ENT 3(3.0) Space Systems Technology: PR: PHY 2053C. Applied space technology, design of space systems, space environment, flight dynamics, atmospheric drag, power supply, communications technology. May be repeated for credit. Fall.

ETI 4837C ECS-ENT 3(2.2) Technology of Small Space Payloads: PR: ETI 4836 and high level programming language. Principles of technology in the design of small rocket and microsatellite payloads; power requirements; telemetry requirements of data transmission; thermal control; shock and vibration tests. Occasional. M&S fee: $34.60

ETI 4838 ECS-ENT 3(3.0) Flight Dynamics Technology: PR: PHY 2053C, Calculus I, II, C.I. Analysis of orbit elements; design of satellite and spacecraft. Introduction to orbiting, atmospheric re entry; launch windows; rocket apogee and down range computations; wind corrections and launch angles. Spring.


ETM 4231C ECS-ENT 4(3.2) Applied Heat Transfer: PR: ETD 3541 or equivalent, MAC 2253 or MAC 2311. An introduction to the basic concepts and applications of conduction, convection and radiation heat transfer. Basic energy balances and their applications are emphasized. Study state and transient phenomena are evaluated, including numerical solutions. Occasional.
EN 4331C ECS-ENT 4(3,2)  
Applied Fluid Mechanics: PR: MAC 2523 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.

EN 4403C ECS-ENT 3(2,2)  

EN 4512C ECS-ENT 3(2,2)  

EN 4755 ECS-ENT 4(4,0)  
Applied Air Conditioning: PR: ETM 4313C. Analysis of body comfort, psychrometrics, heating and cooling load, specification of air conditioning systems, air distribution systems and system piping requirements. Occasional.

EUH 2000 CAH-HIST 3(3,0)  
Western Civilization I: A survey of western civilization from ancient to 1648. Fall, Spring.

EUH 2000H CAH-HIST 3(3,0)  

EUH 2001 CAH-HIST 3(3,0)  
Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EUH 2000. Fall, Spring.

EUH 2001H CAH-HIST 3(3,0)  

EUH 3122 CAH-HIST 3(3,0)  

EUH 3124 CAH-HIST 3(3,0)  
The Crusades: PR: EUH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of “just war” and jihad. Even Spring.

EUH 3142 CAH-HIST 3(3,0)  
Renaissance and Reformation: PR: EUH 2000 and 2001 or C.I. Influence of Renaissance humanism on arts, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years’ War. Occasional.

EUH 3235 CAH-HIST 3(3,0)  
Romanticism and Realism: PR: EUH 2000 and 2001, or C.I. Napoleon and nationalism; new ideas; conservation; liberalism, romanticism, republicanism and socialism; urbanization, technology and mass culture, religious decline; Realpolitik, racism, imperialism, and militarism. Occasional.

EUH 3242 CAH-HIST 3(3,0)  
Modern Europe and the First World War: A survey of the impact of the democratic institutions, education, transportation, housing, health, mass communications, entertainment, women, and warfare. Occasional.

EUH 3281 CAH-HIST 3(3,0)  
Second World War and Rebirth of Europe: PR: EUH 2000 and 2001 or C.I. Origins of World War II; Hitler’s “New Order,” and resistance movements; Cold War, de-Stalinization of Russia, Sovietization of East Central Europe; Western reconstruction, and prosperity. Occasional.

EUH 3315 CAH-HIST 3(3,0)  
History of Modern Spain: PR: Modern European History (19th-20th century). The evolution of Modern Spain through its key institutions, cultural as well as social movements, and impact of political and intellectual trends, 1700-Present. Occasional.

EUH 3411 CAH-HIST 3(3,0)  

EUH 3431 CAH-HIST 3(3,0)  
History of Modern Italy: PR: EUH 2001. The history of modern Italy from the origins of national unification through the post-World War II era. Occasional.

EUH 3431H CAH-HIST 3(3,0)  
Honors History of Modern Italy: PR: EUH 2001 and consent of Honors. The history of modern Italy from the origins of national unification through the post-World War II era, with honors content. Occasional.

EUH 3451 CAH-HIST 3(3,0)  
History of Modern France: PR: EUH 2001, EUH 3242 or C.I. The course traces the evolution of France through the study of French political thought, institutional development, social movements, and international roles from 1700 - present. Occasional.

EUH 3531 CAH-HIST 3(3,0)  

EUH 3536 CAH-HIST 3(3,0)  

EUH 3538 CAH-HIST 3(3,0)  

EUH 3651 CAH-HIST 3(3,0)  
War and Society: Evolution of weapons, tactics, strategy; role, social status, recruitment of soldiers; influence of military on governments; and international effort to preserve peace. Occasional.

EUH 4283 CAH-HIST 3(3,0)  

EUH 4284 CAH-HIST 3(3,0)  

EUH 4400 CAH-HIST 3(3,0)  

EUH 4465 CAH-HIST 3(3,0)  
Hitler’s Third Reich: PR: EUH 2000 and 2001 or C.I. German nationalism and militarism; World War I and Versailles Treaty; the Weimar Republic and the rise of the Nazis; Second World War, division and recovery. Occasional.

EUH 4500 CAH-HIST 3(3,0)  

EUH 4501 CAH-HIST 3(3,0)  

EUH 4502 CAH-HIST 3(3,0)  

EUH 4571 CAH-HIST 3(3,0)  
History of Russia to 1801: PR: EUH 2000 and 2001 or C.I. Kievian State; Mongol Yoke; Development of Muscovite Expansionism and Absolutism; Time of Troubles; Westernization of Russia under Peter I and Catherine; Role of Orthodox Church. Occasional.

EUH 4574 CAH-HIST 3(3,0)  
History of Russia: 1801-1917: PR: EUH 2000 and 2001 or C.I. Alexander I; Napoleonic Invasion, Revolutionary Movement, Russian Policy toward Central Asia and China; Great Reforms; Russo-Japanese War; Revolution of 1905, Constitutional Period; Triple Entente. Occasional.

EUH 4576 CAH-HIST 3(3,0)  

EUH 4582 CAH-HIST 3(3,0)  
20th Century Russian Diplomatic History: PR: C.I. Russian diplomatic history from the signing of the Entente Cordiale to the aftermath of the Cold War. Occasional.

EUH 4610 CAH-HIST 3(3,0)  
Women in European Society: From Medieval to Modern: PR: Junior standing or C.I. This course examines the changing situation of women in Europe from the Middle Ages to the twentieth century. Occasional.

EUH 4610H CAH-HIST 3(3,0)  
Honors Women in European Society: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to the changing situation of women in Europe across space and over time with honors-level content. Occasional.

EUH 4620 CAH-HIST 3(3,0)  
European Great Powers: 1815-1914: PR: EUH 2000 and 2001 or C.I. Congress of Vienna, Metternich’s system Cremeian War, unifications of Italy, Germany, the Bismarckian era, the alliance systems, and the outbreak of World War I. Occasional.

EUH 4663 CAH-HIST 3(3,0)  

EUH 4674 CAH-HIST 3(3,0)  
EUH 4674H CAH-HIST 3(3,0)
Honors Sports & Society in the Ancient World: PR: GEP Honors completion or permission of Honors.
Interdisciplinary approach to comparing the Original Olympic games and other ancient athletic spectacles with their modern counterparts with honors-level content. Occasional.

EUH 5247 CAH-HIST 3(3,0)
Colloquium in Europe from 1919-1939: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since 1919 and 1939. Occasional.

EUH 5285 CAH-HIST 3(3,0)
Colloquium in Europe Since World War II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WW II. Occasional.

EUH 5371 CAH-HIST 3(3,0)
Colloquium in Spanish History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Spanish history. Occasional.

EUH 5415 CAH-HIST 3(3,0)
Rome and Early Christianity: PR: Graduate standing or C.I. Current trends in historical literature in Christianity from its development as a distinct religion to its relations with and eventual "triumph" within the Roman Empire. Occasional.

EUH 5459 CAH-HIST 3(3,0)
Colloquium in French History: PR: Graduate standing or C.I. Readings in selected topics in French History. May be used in the degree program a maximum of 3 times. Occasional.

EUH 5546 CAH-HIST 3(3,0)
Colloquium: British History: PR: Graduate status or senior standing or C.I. Selected topics in British history. There is no standard syllabus because content is different with each offering. May be repeated for credit only when course content is different. Occasional.

EUH 5579 CAH-HIST 3(3,0)
Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-present. Occasional.

EUH 5585 CAH-HIST 3(3,0)
Colloquium in Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

EUH 5608 CAH-HIST 3(3,0)
Colloquium European Intellectual History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of European intellectual history. Occasional.

EVR 5930 COS-BIOL 1(1,0)
Seminar in Conservation Issues: PR: Graduate status or senior standing or C.I. Contemporary topics stressing a broad base of conservation issues will be the focus of this seminar series. May be repeated for credit only when course content is different. Occasional.

EVT 3062 ED-TLP 3(3,0)
Professional Role of the Vocational Teacher: PR: EVT 3371 or C.I. Occasional.

EVT 3312 ED-TLP 3(3,0)
Course Construction in Health Occupations Education: PR: EVT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. Occasional.

EVT 3365 ED-TLP 3(3,0)
General Methods/Testing Evaluation in Vocational Education: General teaching methods, testing and evaluation. Techniques specific to Vocational Education and Industry Training. Odd Fall.

EVT 3367 ED-TLP 3(3,0)

EVT 3371 ED-TLP 3(3,0)
Course Construction in Industrial Education: PR: EVT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education labora-
tory, and involvement in VICA. Occasional.

EVT 3502 ED-TLP 3(3,0)
Special Needs of Vocational Students: PR: EVT 3365 or C.I. Achievement of teacher competency in meeting the special needs of the handicapped, culturally different, slower learner, those with basic skill deficiencies, and those in non-traditional programs. Spring.

EVT 4065 ED-TLP 3(3,0)

EVT 4169 ED-TLP 3(3,0)
Curriculum Development Techniques for Industry Training: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainers analysis tasks. Spring.

EVT 4368 ED-TLP 3(3,0)
Advanced Teaching Techniques for Vocational Education: PR: EVT 3365 or C.I. Study, practice, and achievement of techniques including cooperative learning, simulation, instructional modeling and evaluation of instruc-
tional effectiveness. Fall.

EVT 4815 ED-ERTL 3(3,0)

EVT 5260 ED-TLP 2-4(2-4,0)
Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

EVT 5266 ED-TLP 2-4(2-4,0)
Management of Vocational Programs: PR: Rank III Certificate or C.I. Study and achievement of selected competencies needed by vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. Occasional.

EVT 5561 ED-TLP 2-3(2-3,0)
Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. Occasional.

EXP 3204C COS-PSYCH 4(3,2)

EXP 3250 COS-PSYCH 3(3,0)

EXP 3304 COS-PSYCH 3(3,0)

EXP 3404 COS-PSYCH 3(3,0)

EXP 3604C COS-PSYCH 3(3,0)

EXP 4507C COS-PSYCH 3(1,4)
Advanced Human Memory and Cognition: PR: PSY 3213C, EXP 3604C. In-depth coverage of experimental research on human memory and cognition. Occasional. M & S fee: $15.00

EXP 5208 COS-PSYCH 3(3,0)
Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH 3(3,0)
Human Factors and Aging: PR: Graduate standing, post bac., or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH 3(3,0)
Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

EXP 5445 COS-PSYCH 3(3,0)
Psychology of Learning and Motivation: PR: DEP 5057, and graduate status or senior standing or C.I. Examination of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. Occasional.

FIL 1000 CAH-FILM 3(3,0)
Film Survey: Introductory course that focuses on different approaches to studying cinema. Fall, Spring.

FIL 1000H CAH-FILM 3(3,0)
Honors Film Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall, Spring.

FIL 1007 CAH-FILM 3(3,0)
Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. Fall, Spring.

FIL 1008 CAH-FILM 3(3,0)
Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall, Spring. M & S fee: $5.00
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FIL 1009 CAH-FILM 3(3,0)
Cinematic Expression for Majors: PR: Film BFA or World Cinema major, and FIL 1100 or FIL 1007. Analysis and practice of aesthetic principles essential in film-making, including composition, moving graphics, image design, and lighting styles. Spring.

FIL 1100 CAH-FILM 3(3,0)
Foundations of Story for Majors: PR: Film BFA or World Cinema major. Analysis of dramatic and cinematic narrative structures, both plot and character, from a historical and cultural perspective. Occasional.

FIL 1424 CAH-FILM 3(3,0)
Film Production Tools: Basic tools of filmmaking, including digital video cameras, 16 mm cameras, basic lighting equipment, non-linear editing equipment, sound recording and mixing, laboratory processing, and digital post-production. Occasional.

FIL 2030 CAH-FILM 3(2,2)
History of Motion Pictures: The history of motion pictures as art and industry, from 1895 to the present. Fall. Spring. M&S fee: $0.00

FIL 2107 CAH-FILM 3(3,0)
Script Analysis: PR: PR or CR ENC 1101, and FIL 1007 or FIL 1100. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional film-making and screenwriting. Fall, Spring.

FIL 2423 CAH-FILM 3(3,0)
Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall, Spring.

FIL 2461 CAH-FILM 3(3,0)
Cinematography I: PR: FIL 2274C and FIL 2480. Concepts and tools of cinematography and lighting. Fall. Spring. M&S fee: $5.00

FIL 2480 CAH-FILM 3(3,0)
Directing for Film I: PR: FIL 1007 or FIL 1100, FIL 2009, FIL 3115, and FIL 3427C. Introduction to processes and techniques of film directing. Spring.

FIL 2481 CAH-FILM 3(3,0)
Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.

FIL 2552 CAH-FILM 3(3,2)
Editing I: PR: Film Major, FIL 1008, FIL 3115, FIL 3427C. Basic editing concepts and techniques, using non-linear editing systems. Spring. M&S fee: $5.00

FIL 3006 CAH-FILM 3(3,0)
Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall, Spring. M&S fee: $5.00

FIL 3035C CAH-FILM 3(3,1)
Film Histories II: PR: FIL 2030. Surveys and questions historical approaches to film and seeks to open up the field of historical enquiry to a variety of views. Fall.

FIL 3036 CAH-FILM 3(3,0)
Film History I: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.

FIL 3037 CAH-FILM 3(3,0)
Film History II: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1946 to the present. Spring.

FIL 3041 CAH-FILM 3(3,0)
History of Animated Films I: PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. Even Fall.

FIL 3051 CAH-FILM 3(3,0)

FIL 3070C CAH-FILM 3(3,1)
Cinema in the 1820s: PR: FIL 3050C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3071C CAH-FILM 3(3,1)
Cinema in the 1930s: PR: FIL 3050C. Films of the 1930s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3072C CAH-FILM 3(3,1)
Cinema in the 1940s and 1950s: PR: FIL 3050C. Films of the 1940s and 1950s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3073C CAH-FILM 3(3,1)
Cinema in the 1960s and 1970s: PR: FIL 3050C. Films of the 1960s and 1970s as they relate to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3074C CAH-FILM 3(3,1)
Cinema 1890s to the Present: PR: FIL 3050C. Films from the 1890s and onward as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3075C CAH-FILM 3(3,1)
Film and Modernism I: PR: FIL 3050C and ARH 2050. Relation of film to artistic modernism centered on key common practices such as collage, projection, movement, serialization, superimposition, and simultaneity. Spring.

FIL 3076C CAH-FILM 3(3,1)
Film and Modernism II: PR: FIL 3050C and ARH 2051. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.

FIL 3102 CAH-FILM 3(3,0)
Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007 or FIL 1100. Theories and process of screen writing for motion pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. Fall, Spring.

FIL 3106C CAH-FILM 3(2,3)
Introduction to Scriptwriting: PR: Film majors only. Rudiments of scriptwriting, including visual storytelling, story structure, character, dialogue, and introduction to scriptwriting software. Occasional.

FIL 3115 CAH-FILM 3(3,0)
Short Script I: PR: FIL 2107 and Film BFA or World Cinema major, or C.I. Rudiments of writing the short script. Analysis of script models and examination of differences between long and short forms. Writing scripts for workshops. Fall, Spring.

FIL 3132 CAH-FILM 3(3,0)
Short Script II: PR: FIL 3115 and Film BFA or World Cinema major, or C.I. Advanced writing of short scripts in preparation for Capstone I and II courses. Spring.

FIL 3304C CAH-FILM 3(1,3)
Documentary Vision: PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.

FIL 3307 CAH-FILM 3(3,0)
Docudrama: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics. Occasional.

FIL 3363C CAH-FILM 3(3,1)
Film Documentary: PR: FIL 3380C and Film BFA, World Cinema, or Cinema Studies major, or C.I. The uses and analysis of the non-fiction film. Fall. M&S fee: $5.00

FIL 3379C CAH-FILM 3(3,6)
Advanced Documentary Production: PR: FIL 3363C and FIL 3845, or C.I. Processes and principles of advanced documentary production to capture on-going reality based situations. Occasional. M&S fee: $5.00

FIL 3427C CAH-FILM 3(2,4)
Introduction to Film Production: PR: PR or CR: FIL 2107 and Film BFA or World Cinema major. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. Fall. M&S fee: $45.00

FIL 3455C CAH-FILM 6(2,4)
Film Landscapes: Story, Image and Production Design: PR: FIL 2423 or FIL 3427C, and FIL 2030. The use of landscape in film and its importance to the art of production design. Occasional.

FIL 3462C CAH-FILM 3(3,1)
Cinematic Expression: PR: FIL 3850C. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling. Spring.

FIL 3483 CAH-FILM 3(3,0)
Directing the Actor for Film II: PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. Occasional.

FIL 3492C CAH-FILM 3(3,1)
Performance in Film: PR: FIL 3035C. Study of the different traditions and forms of acting in film. Occasional.

FIL 3534 CAH-FILM 3(3,0)
Sound Design for Film I: PR: Film BFA, World Cinema or Digital Media major. Technical and aesthetics aspects of production and post-production sound recording, editing, and mixing for film. Fall.

FIL 3581 CAH-FILM 3(0,3)
Film Production Technology Workshop: PR: Restricted to Film majors. Demonstrations and hands-on equipment workshops to understand and operate the tools of the filmmaking process. May be repeated for credit. Occasional.

FIL 3720C CAH-ART 3(2,4)
Introduction to Animation: PR: Animation majors only, and a satisfactory portfolio review or C.I. Introductory computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. Fall, Spring. M&S fee: $45.00

FIL 3734C CAH-ART 3(2,4)
Intermediate Animation: PR: Animation majors only, FIL 3720C, and a satisfactory portfolio review or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercise on the type of high-end animation systems used in the film industry. May be repeated for credit. Even Fall, Spring. M&S fee: $45.00

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FIL 3803C CAH-FILM 3(3,1)
Film Theory and Criticism I: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories to the Second World War Period. Fall. M&S fee: $10.00

FIL 3804C CAH-FILM 3(3,1)
Film Theory and Criticism II: PR: FIL 3803C. Major film theories from Second World War period to present. Spring. M&S fee: $10.00

FIL 3811 CAH-FILM 3(3,0)

FIL 3812C CAH-FILM 3(3,1)
Film Theories and Practices: PR: Phil 2010 (Introduction to Philosophy). Concentration on the film theories of filmmakers in relation to their own work and to the cinema generally. Spring.

FIL 3820 CAH-LANG 3(3,0)
Italian Film: This course attempts to stimulate and increase interest of students in Italian cinema as an art form with the director playing the key role. Films by most outstanding Italian movie directors will be analyzed from a social, economic, and historical point of view. Occasional.

FIL 3822 CAH-LANG 3(3,0)
French Film: The study of French cinema as an art form and the key role of the director. Films are analyzed from structural, social, economic, and historical perspectives with attention to their relationship with French literature. Taught in English. Occasional.

FIL 3823 CAH-LANG 3(3,0)
German Film: PR: C.I. Exploration of the form and content of German film during different time periods in relation to other aspects of culture and to sociopolitical structures at the time. Occasional.

FIL 3824 CAH-FILM 3(3,0)
Italian Neo-Realist Cinema: PR: FIL 3038 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. Occasional.

FIL 3826 CAH-FILM 3(3,0)
American Cinema: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor. Lectures, films and forums designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. Spring.

FIL 3831 CAH-FILM 3(4,0)

FIL 3841 CAH-FILM 3(3,0)
French New Wave Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the French cinema, emphasizing the work of Renoir, Breton, Godard, Rohmer, Resnais, and Rivette. Occasional.

FIL 3842 CAH-FILM 3(3,0)
International Cinema: PR: PR or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. Occasional.

FIL 3845 CAH-FILM 3(3,0)
World Cinema Traditions: PR: PR or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. The relationship among film, history, and culture in selected Asian, African, Latin American, and Middle Eastern countries. Fall, Spring.

FIL 3847 CAH-FILM 3(3,0)
Latin American Cinema: PR: PR or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.

FIL 3850 CAH-FILM 3(3,0)
Cinema Directors: PR: FIL 3038 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Intensive study of the work of selected film-makers using multiple modes of criticism and author analysis to examine films. Occasional.

FIL 3852 CAH-FILM 3(3,0)
Cinema Criticism Writing: PR: FIL 3036 or FIL 3037 and ENC 1102, FIL 2030, FIL 3038C. Modes of cinema criticism. Occasional.

FIL 3860C CAH-FILM 3(3,1)
The Shot, Framing, Point of View: PR: FIL 3035C. Approaches to the shot, framing and point of view. Occasional.

FIL 3861C CAH-FILM 3(3,1)

FIL 3862C CAH-FILM 3(3,1)
Narrative Structures in Film: PR: LIT 2110 and LIT 2120. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. Fall.

FIL 3865C CAH-FILM 3(3,1)

FIL 3870C CAH-FILM 3(3,1)

FIL 3871 CAH-FILM 3(3,0)
The American Film Artist: PR: FIL 2030. Analysis of a major American filmmaker's style, vision and work, how these evolved and their impact on film and the culture. May be repeated for credit. Fall. M&S fee: $5.00

FIL 3876C CAH-FILM 3(3,1)
Experimental Cinema I: PR: FIL 3075C. A notion of cinema as an expansion of possibilities organized around formal, material, and conceptual aspects of film. Fall, Spring.

FIL 3877C CAH-FILM 3(3,1)
Experimental Cinema II: PR: FIL 3876C. Concentration on specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film related to treatments of reality and the perception of light. Spring.

FIL 3878C CAH-FILM 3(3,1)
Color and Lighting in Cinema: PR: FIL 3035C. Ideas and practices related to lighting and color primarily in film but also painting, sculpture, photography and theatre. Occasional.

FIL 3880C CAH-FILM 3(3,1)
Images of Women in Film: PR: FIL 2030. Images of women in film and how these images are shaped and structured in relation to circumstances of production, aesthetics, cultural, historical, and ideological factors. Fall, Spring.

FIL 3922 CAH-FILM 1(1,1)
Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 4434C</td>
<td>CAH-FILM</td>
<td>3(2,4)</td>
<td>Capstone I: PR: FIL 3132 and Film BFA or World Cinema major. Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. May be repeated for credit. Fall. M&amp;S fee: $10.00</td>
</tr>
<tr>
<td>FIL 4436</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Film Theory/Film Production: PR: Junior standing and FIL 1008 or FIL 1009, or C.I. Non-narrative filmmaking demonstrating the dynamic interplay between producing, viewing, reading and writing about images. Odd Spring.</td>
</tr>
<tr>
<td>FIL 4451</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Design for Film: PR: FIL 3427C, or C.I. Analysis of visual structure of film. Specific problems in art direction. Fall.</td>
</tr>
<tr>
<td>FIL 4453C</td>
<td>CAH-FILM</td>
<td>4(3,2)</td>
<td>Special Problems in Film Design: PR: FIL 2423 or FIL 3427C and FIL 2030. A series of exercises in craft, techniques, and design for film production, including animation. Occasional. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>FIL 4472C</td>
<td>CAH-FILM</td>
<td>3(2,4)</td>
<td>Cinematography II: PR: Film major, FIL 3427C, FIL 2461. Advanced principles and practices of cinematography. Spring. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>FIL 4486C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Directing for Film II: PR: FIL 2480. Principles and practice in directing narrative and/or documentary motion pictures. Fall. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>FIL 4487</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Directing for Film III: PR: FIL 4486C. Advanced processes and techniques of film directing. Spring. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>FIL 4525C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Sound Design for Film III: PR: FIL 3534. An understanding of how production mixers bring the film director’s vision to the screen. Spring.</td>
</tr>
<tr>
<td>FIL 4536</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Sound Design II: PR: FIL 4535C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. Occasional.</td>
</tr>
<tr>
<td>FIL 4554C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Non-Linear Editing: PR: Film major and FIL 3427C. Provides basic working knowledge of AVID editing system, to edit assigned projects, give basic understanding of editing styles and techniques in film storytelling. Occasional. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>FIL 4566C</td>
<td>CAH-FILM</td>
<td>3(3,2)</td>
<td>Editing II: PR: FIL 2274C. Theory, techniques and practices in picture editing. Fall. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>FIL 4573C</td>
<td>CAH-FILM</td>
<td>3(1,3)</td>
<td>Capstone II: PR: FIL 4434C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. Spring. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>FIL 4602</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Film Business: PR: FIL 2423 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. This is a seminar course taught by a professional in the film industry which deals with issues relating to the organization and production of motion pictures. Spring.</td>
</tr>
<tr>
<td>FIL 4647</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Film Production Management: PR: FIL 3427C or C.I. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. Spring.</td>
</tr>
</tbody>
</table>
FIN 3504 BA-FIN 3(3,0) Investment Analysis: PR: FIN 3403C; open to majors or minors which require this course. A survey of investments, including security markets, investment, and environment. Principles of asset valuation in efficient markets. Fall, Spring.

FIN 4313 BA-FIN 3(3,0) Management of Financial Institutions: PR: FIN 3303, 3403; open to majors or minors which require this course. Analysis of management policies of financial institutions, including assets liability, and capital management. The economics and regulatory influence on competition is considered. Occasional.

FIN 4324 BA-FIN 3(3,0) Commercial Bank Management: PR: FIN 3303; open to majors or minors which require this course. Analysis of the intersections of commercial banking policies and an analysis of current approaches to managing specific bank products. Fall.

FIN 4424 BA-FIN 3(3,0) Advanced Topics in Financial Management: PR: FIN 3414; open to majors or minors which require this course. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively. Occasional.

FIN 4453 BA-FIN 3(3,0) Financial Models: PR: FIN 3403C, FIN 3414, and FIN 3504; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. Fall, Spring.

FIN 4514 BA-FIN 3(3,0) Portfolio Analysis and Management: PR: PR: FIN 3403C, FIN 3303 and FIN 3504; open to majors or minors which require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4531 BA-FIN 3(3,0) Financial Derivatives: PR: FIN 3403C, FIN 3303 and FIN 3504; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4560C BA-FIN 4(3,1) Applied Portfolio Management 1: PR: Finance major, FIN 4560C, and CI. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of Equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561C BA-FIN 4(3,1) Applied Portfolio Management 2: PR: Finance major, FIN 4560C, and CI. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing. Occasional.

FIN 4604 BA-FIN 3(3,0) International Financial Management: PR: FIN 3403C; open to majors or minors which require this course. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. Fall, Spring.

FIN 4730 BA-FIN 3(3,0) Senior Financial Consulting I: PR: Finance major, FIN 3403C, FIN 3303, CR: FIN 3414, FIN 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.

FLE 3160 ED-TLP 3(0,3) Education and Culture/Language Diversity: PR: Admission to major, overall 2.5 GPA, 3.0 GPA in major, and CI. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language diversity. Occasional.

FLE 4290 ED-TLP 2(0,0) Technology in the Foreign Language Classroom: PR: EME 2400, 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(0,3) 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-6 classroom. Occasional.

FLE 4333 ED-TLP 3(0,3) Foreign Language Teaching in the Secondary School: PR: EDG 2403, proficiency in the target language and English. Methods of teaching foreign languages at the secondary level within a communicative framework. Current instructional techniques in listening, speaking, reading, and writing skills, testing, error correction. May be repeated for credit. Occasional.

FLE 5331 ED-TLP 3(0,0) Foreign Language Methods at the Secondary Level: PR: CI, EDG 4323, or EDG 6236, or classroom teaching experience, and fluency in the target language and English. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5335 ED-TLP 3(0,0) Foreign Language Methods at the Elementary Level: PR: CI, or FLE 4333 or FLE 5870, EDG 4323, or EDG 6236, and fluency in target language and English. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be repeated for credit. Occasional.

FLE 5870 CAH-LANG 3(0,0) Methods of Teaching Foreign Languages: PR: Graduate status or senior standing or CI. 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(0,0) Computer Application in Teaching Foreign Languages: PR: Graduate status or senior standing or CI. Survey, analysis, and evaluation of computer software and Internet materials for teaching foreign languages. Occasional.

FOL 3730 CAH-LANG 3(0,0) Romance Philology: The study of the major Romance Languages and their origins as they developed from Classical and Medieval Latin to their linguistic influences such as Arabic and Provencal. Occasional.

FRE 1120C CAH-LANG 4(3,1) Elementary French Language and Civilization I: PR: Offered by the Department of foreign languages. Introduces vocabulary and terminology in various French business activities, as well as standards, procedures, and practices of the French business world. Occasional.

FRE 1121C CAH-LANG 4(3,1) Elementary French Language and Civilization II: PR: FRE 1120C 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 1120C. Fall, Spring.

FRE 2201 CAH-LANG 3(3,1) Intermediate French Language and Civilization II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.

FRE 2240 CAH-LANG 3(0,0) 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(0,0) 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(0,0) Advanced Oral French Abroad: PR: FRE 2202, FRE 2204 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(0,0) French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423 CAH-LANG 3(0,0) Advanced French Grammar Abroad: PR: FRE 2200, FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440 CAH-LANG 3(0,0) Business French I: PR: Three semesters of French language. Introduces vocabulary and terminology and various French business activities, as well as standards, procedures, and practices of the French business world. Occasional.

FRE 3441 CAH-LANG 3(0,0) Business French II: PR: FRE 3440 or CI. Introduction to French business language and practices. Occasional.

FRE 3760 CAH-LANG 3(0,0) Advanced French Oral Communication: PR: FRE 2201 or equivalent. Vocabulary building with systematic training in dictation and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Spring.
UCF Courses and Descriptions

FRE 3780 CAH-LANG 3(3,0)
French Phonetics and Diction: French phonology, with emphasis on phonetic groupings. Spring.

FRE 3954 CAH-LANG 6(6,0)
Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.

FRE 4421 CAH-LANG 3(3,0)
Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines; art, literature, 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 Watt: PR: ENC 1102. An intense study of textual criticism and explications and linguistic analysis of literature with the primary focus on the novel. Course will be taught in English. Occasional.

FRW 3100 CAH-LANG 3(3,0)
Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

FRW 3101 CAH-LANG 3(3,0)
Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

FRW 3370 CAH-LANG 3(3,0)
Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.

FRW 3740 CAH-LANG 3(3,0)

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 and Culture: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

FRW 4281 CAH-LANG 3(3,0)
20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazin, Beckett, Butor, Camus, Mauriac, Malraux and Sarraute. 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, Cœuradoux, Ionesco, and Sartre; different literary approaches will also be used. Occasional.

FRW 4380 CAH-LANG 3(3,0)

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)

FSS 2212C 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(3,1)
Culture and Cuisine: PR: FSS 2212C and HFT 3263. The cultural and historical development of food and beverage preparation, service, and menu development. Fall, Spring. M&S fee: $45.00

FSS 3124 RCHM-HOS 3(3,1)
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 2420C. An advanced food production course which provides the student the opportunity to develop skills in pastry, 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 3263. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.

FSS 4250C RCHM-HOS 3(3,1)
Catering and Banquet Organization: PR: FSS 2212C 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

GAE 4405 CAH-CAH 3(3,0)
Geography of Latin America: PR: ENC 1102 or C.I. Geography of Latin America and the Caribbean, including geophysical, cultural, economic, and social characteristics and processes. Occasional.

GEB 1091C BA-BUS 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Business providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

GEB 2350 BA-MAR 3(3,0)
Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy. Fall.

GEB 3031 BA-MAN 4(4,0)
The Cornerstone Course: PR: Junior standing and business major or minor. AGC 2071, ECO 2013, ECO 2023, and CGS 2103. An orientation to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of team work, communication, creative thinking, and adapting to change. Fall, Spring.

GEB 3113 BA-MAN 3(3,0)
How to Start a Business: PR: Sophomore Standing, ECO 2013. Provides background and tools necessary to understand and participate in the entrepreneurial process within a large company, new venture, or growing a small business. Occasional.

GEB 3375 BA-FIN 4(4,0)
Introduction to International Business: PR: Junior standing and AGC 2071, ECO 2013 and ECO 2023. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Fall, Spring.

GEB 3375H BA-FIN 4(4,0)
Introduction to International Business - Honors: PR: Junior standing and permission of Honors, AGC 2071, ECO 2013, and ECO 2023. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Same as GEB 3375 with honors level content. Occasional.

GEB 4110 BA-MAN 3(3,0)
Business Plan Preparation: PR: MAN 4802, GEB 4111. Develops a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal. Fall, Spring.

GEB 4111 BA-MAN 3(3,0)
New Venture Finance: PR: MAN 4802 or GEB 3375. Provides hands-on processes for developing financial information necessary such as budgets and pro forma financial statements to start up a new venture. Odd Fall, Even Spring.

GEB 4152 BA-MAN 3(3,0)
GEB 4361 BA-FIN 3(3,0)

GEB 4363 BA-FIN 3(3,0)
Export and Import Management: PR: Finance major, Junior standing and admission to CBA. Focuses on the management of export/import business and provides students with knowledge about international trade. Occasional.

GEB 4374 BA-FIN 3(3,0)
International Negotiations and Transactions: PR: Finance major, Junior standing and admission to CBA. Focuses on providing an understanding of the concepts and skills required for international negotiations and transactions. Occasional.

GEB 5516 BA-MAN 3(3,0)
Technological Entrepreneurship: PR: Graduate standing. Focus of the course is on identification, evaluation and commercialization of new technologies. Emphasis will be placed on the legal, financial and strategy aspects of technology transfer and development. Occasional.

GEO 1200 ECS-CEE 3(3,0)
Physical Geography: Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.

GEO 2370 ECS-CEE 3(3,0)
Resources Geography: Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. Fall, Spring.

GEO 3471 COS-POLS 3(3,0)
World Political Geography: Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

GER 1120C CAH-LANG 4(3,1)
Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. Fall, Spring.

GER 1120H CAH-LANG 4(4,1)
Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. Occasional.

GER 1121C CAH-LANG 4(3,1)
Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.

GER 1121H CAH-LANG 4(4,1)
Honors Elementary German Language and Civilization II: PR: GER 1120H or equivalent and permission of Honors. Continuation of GER 1120H, with honors-level content. Occasional.

GER 2200 CAH-LANG 3(3,1)
Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

GER 2201 CAH-LANG 3(3,1)
Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.

GER 2210 CAH-LANG 3(3,0)
Intensive German Conversation: PR: GER 1121C or C.I. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

GER 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 1121C or equivalent. Intermediate German language and culture taught in the native environment. Occasional.

GER 2271 CAH-LANG 2(2,0)
Modern German Civilization Abroad I: PR: One year of College-Level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world. Fall, Spring.

GER 2272 CAH-LANG 2(2,0)
Modern German Civilization Abroad II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world. Fall, Spring.

GER 3102 CAH-LANG 3(3,0)
Germany - Past to Present: PR: GER 3760 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.

GER 3272 CAH-LANG 2(2,0)
Modern German Civilization Abroad III: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world. Fall, Spring.

GER 3420 CAH-LANG 3(3,0)

GER 3440 CAH-LANG 3(3,0)

GER 3441 CAH-LANG 3(3,0)
Business German II: PR: GER 3440. Continuation of Business German I. Occasional.

GER 3470 CAH-LANG 6(6,0)
Advanced German Study Abroad: PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment. Occasional.

GER 3760 CAH-LANG 3(3,0)
Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3780 CAH-LANG 3(3,0)
Advanced German Phonetics and Diction: PR: GER 2240. The fundamental principles of German pronunciation. Occasional.

GER 4422 CAH-LANG 3(3,0)
Advanced German Grammar: PR: GER 3760, or any other 3000 level German course. An accelerated grammar course designed for advanced students of the German language. Occasional.

GER 4510 CAH-LANG 3(3,0)
Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.

GER 4520 CAH-LANG 3(3,0)
Modern Germany: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.

GEW 3100 CAH-LANG 3(3,0)
Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. Occasional.

GEW 3101 CAH-LANG 3(3,0)
Survey of German Literature II: PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.

GEW 3370 CAH-LANG 3(3,0)
Short Story: PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. Occasional.

GEW 3480 CAH-LANG 3(3,0)
German Post-War Literature: PR: GER 2201. This course examines the works of German, Austrian and Swiss writers after World War II. Occasional.

GEW 4482 CAH-LANG 3(3,0)
German Children's Literature: PR: GER 2200. A look into the history of German children's literature with a concentration on works after World War II. Occasional.

GEW 4531 CAH-LANG 3(3,0)
The Age of Goethe and Schiller: PR: GER 2201. Selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German romanticism. Occasional.

GEY 3001 HPA-SOWK 3(3,0)
Gerontology: An Interdisciplinary Overview: PR: Junior standing or C.I. Study of aging from an interdisciplinary perspective that bridges social and behavioral sciences, nursing, social work, allied health, and natural sciences. May be repeated for credit. Fall.

GEY 3326H COS-PSYCH 3(3,0)
Honors Images of Aging: PR: Advanced standing in the Honors College and consent of Honors. Interdisciplinary examination of issues in aging exploring how the various images of aging are reflected across the natural sciences, social sciences and humanities. With Honors content. Occasional.

GEY 5007 CON-NURS 3(3,0)
Women and Healthy Aging: PR: Graduate standing or senior undergraduate. The examination of health promotion opportunities and bio-psycho-social challenges of women as they age. Spring.

GEY 5600 ED-TLP 3(3,0)
Pharmacology of Aging: PR: BSC 2010C or PCB 3703C or PET 4351C or equivalent. The purpose of this course is to develop the student’s understanding of the effects of human aging on various body systems. Occasional.

GEY 5648 HPA-SOWK 3(3,0)
Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing or C.I. The study of aging will be presented from a multidisciplinary approach spanning the social sciences and health. Occasional.

GIS 3043C UGST-INTERDISC 3(2,2)
GIS for Environmental Studies: PR: CGS 1060C and BSC 2020C, or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory with training using ArcGIS, including environmental analysis and facility siting studies. Odd Fall.
UCF Courses and Descriptions

GIS 4035C ECS-CHEM 3(2,2) Remote Sensing of the Environment: PR: GEO 1200 or C.I. Interpretation and application of remote sensor imagery to physical, economic, and urban analysis. Occasional.

GIS 4301C UGST-INTERDISC 4(2,2) Advanced GIS Applications in Environmental Studies: PR: GIS 2043C. GIS analysis techniques used in environmental science, including raster overlay site suitability modeling, least-cost optimum paths, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

GLY 1030 COS-CHEM 3(3,0) Geology and Its Applications: Geologic principles, applications, and hazards including: gemstones, rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

GRA 2101C CAH-ART 3(2,4) Introduction to Computer Art: PR: ART 2920 or C.I. Priority given to students whose major requires this course. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. Fall, Spring. M&S fee: $15.00.

GRA 2101H CAH-ART 3(2,4) Honors Introduction to Computer Art: PR: ART 2920 and Consent of Honors. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. With Honors content. Occasional. M&S fee: $15.00.

GRA 2111C CAH-ART 3(2,4) Graphic Design I: PR: ART 2201C. Basic principles, concepts, and techniques in graphic design and art for visual publication. Occasional. M&S fee: $15.00.


GRA 3100C CAH-ART 3(2,4) Intermediate Graphic Design I: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Methods related to studio projects in graphic design. Fall. M&S fee: $15.00.

GRA 3112C CAH-ART 3(2,4) Intermediate Graphic Design II: PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Further development of studio techniques and problems in graphic design with emphasis on digital prepress. Spring. M&S fee: $45.00.

GRA 3113C CAH-ART 3(2,4) Type & Design: PR: ART 2201C, ART 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 3801C CAH-ART 3(2,4) Intermediate Computer Graphic Design: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Use of the computer graphic systems for electronic publication. Fall.

GRA 4119C CAH-ART 3(2,4) Packaging Design and Display Systems: PR: Acceptance in Graphic Design Concentration and GRA 3100C. The visual concepts of packaging design and display systems. Exploration of materials, structures, function and semantic aspects of the packaging industry. Occasional.

GRA 4154C CAH-ART 3(2,4) Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 3151C, and a satisfactory portfolio review or C.I. Illustration problems involving the use of advanced level techniques in illustration media. May be repeated for credit. Occasional. M&S fee: $45.00.

GRA 4196C CAH-ART 3(2,4) Advanced Graphic Design: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3801C, GRA 3151C and ART 3322C, and a satisfactory portfolio review or C.I. Practical studio problems, with emphasis on organization of visual design elements. Fall. M&S fee: $45.00.

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 3322C, 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 I: PR: Permission of Honors. Introduces students to Classical Greek literature and civilization through the study of grammar and syntax and extensive readings of Greek texts. Occasional.


GRE 2220H CAH-LANG 4(4,0) Introduction to Greek Literature: PR: GRE 1121H and permission of Honors. Reading in selected original Greek texts, e.g., Plato's apology. May be repeated for credit. Occasional.

HAI 1120 CAH-LANG 4(4,0) Elementary Haitian Language and Culture I: Introduction to Haitian culture through the major language skills; listening, speaking, reading and writing. Occasional.


HBR 1121 CAH-JUD 4(4,0) Elementary Modern Hebrew Language and Culture II: PR: HBR 1120 or equivalent. Continuation of HBR 1120. Spring.

HBR 2200 CAH-JUD 3(3,0) Intermediate Modern Hebrew I: PR: HBR 1121 or equivalent. Designed to continue the study of Modern Hebrew; increase proficiency in conversation, reading and writing skills, and further expose students to Israeli culture. Occasional.

HBR 2201 CAH-JUD 3(3,0) Intermediate Modern Hebrew II: PR: HBR 2200. Further development of modern Hebrew language skills in listening, speaking, reading, and writing. Occasional.


HBR 3410 CAH-JUD 3(3,0) Conversational Israeli Hebrew: PR: HBR 1120, HBR 1121 or equivalent. CI. Study and practice of contemporary conversational Israeli Hebrew. Occasional.

HFT 1000 RCHM-HSP SERV 3(3,0) Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. Fall, Spring.

HFT 1350 RCHM-TEA 3(3,0) Career & Promotional Development in Golf: PR: HFT 3357. The developmental sequence of lifelong programs for juniors, women, and seniors; in the golf industry. Occasional.

HFT 1356 RCHM-TEA 3(3,0) Concepts and Practices of Golf Associations: PR: Admission to Professional Golf Management Program; CR HFT 1000. Philosophies and ideals of the Professional Golfers Association of America and the importance of the rules of golf as related to rules decisions. Fall.

HFT 2220 RCHM-HSP SERV 3(3,0) Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.

HFT 2254 RCHM-HOS 3(3,0) Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.


HFT 2401 RCHM-HSP SERV 3(3,0) Hospitality Industry Financial Accounting: Basic understanding of financial accounting and specifically hospitality industry accounting concepts and procedures used in hotels, restaurants and clubs. Fall, Spring.

HFT 2500 RCHM-HSP SERV 3(3,0) Hospitality and Tourism Marketing: PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing. Fall, Spring.

HFT 2750 RCHM-TEA 3(3,0) The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry. Fall, Spring.

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HFT 3263 RCHM-HOS 3(3,0)  
Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing or C.I. Discussion of the topics integral for the successful management of restaurant and food service organizations. Fall, Spring.

HFT 3273 RCHM-HOS 3(3,0)  
Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operation and ownership. Fall, Spring.

HFT 3285 RCHM-HOS 3(3,0)  

HFT 3323 RCHM-HSP SERV 3(3,0)  
Hospitality Physical Plant Management: PR: Junior standing. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. Spring.

HFT 3353 RCHM-TEA 3(3,0)  

HFT 3354 RCHM-TEA 3(3,0)  
Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. Occasional.

HFT 3355 RCHM-TEA 3(3,0)  

HFT 3357 RCHM-TEA 3(3,0)  
Golf Event Operations: PR: HFT 1356; HFT 1000; HFT 2500. Develop, plan, and organize golf tournaments of all types. Occasional.

HFT 3374 RCHM-TEA 3(3,0)  
Multi Media Applications in Exhibitions: PR: HFT 1000, HFT 2750, or C.I. The management of the audio and visual process of a large exhibition. Occasional.

HFT 3384 RCHM-TEA 3(3,0)  
Golf and Club Enterprises Management: PR: HFT 1000 and FSS 2221C. Comprehensive examination of the golf and club management industry, its related national and international associations, and career path opportunities. Occasional.

HFT 3431 RCHM-HSP SERV 3(3,0)  
Hospitality Industry Managerial Accounting: PR: HFT 2401 and junior standing or C.I. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting. Fall, Spring.

HFT 3443 RCHM-TEA 3(3,0)  
Event Technology: PR: HFT 1000 and HFT 2750; or C.I. Use of technology in the event to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.

HFT 3444 RCHM-HSP SERV 3(3,0)  
Hospitality Information Systems: PR: CGS 2100C, HFT 2254, and HFT 3263; or C.I. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.

HFT 3512 RCHM-TEA 3(3,0)  
Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.

HFT 3515 RCHM-HOS 3(3,0)  
Reservations Sales & Marketing: PR: HFT 1000, HFT 2500 or C.I. Provides insight to all aspects of planning, performing and measuring room sales processes. Focuses will be to manage all distribution channels to maximize profitability. Odd Fall.

HFT 3517 RCHM-TEA 3(3,0)  
Convention and Conference Sales: PR: HFT 2750, HFT 2500 and junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. Fall.

HFT 3540 RCHM-HSP SERV 3(3,0)  
Guest Services Management I: PR: Junior standing or C.I. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.

HFT 3574 RCHM-HOS 3(3,0)  

HFT 3603 RCHM-HOS 3(3,0)  

HFT 3610 RCHM-HOS 3(3,0)  
Law and Restaurant Management: PR: HFT 3603 and HFT 3263. Emphasis on regulatory, case and administrative law. Compliance, perversion, and remedial actions are stressed. Occasional.

HFT 3654 RCHM-HOS 3(3,0)  
Franchising in the Restaurant Industry: PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Fall.

HFT 3670 RCHM-TEA 3(3,0)  
Hospitality and Event Risk Management: PR: HFT 1000 and HFT 2750; or C.I. Risk, crisis, and liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. Occasional.

HFT 3700 RCHM-TEA 3(3,0)  
Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.

HFT 3741 RCHM-TEA 3(3,0)  
Meeting Management: PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. Fall, Spring.

HFT 3770 RCHM-TEA 3(3,0)  
Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and management. Shipboard organization and delivery of the cruise product to the guest. Occasional.

HFT 3784 RCHM-TEA 3(3,0)  
Amusement Technology: PR: HFT 1000 HFT 4755. Exploration of various technologies utilized by the leisure-based entertainment industry. Includes amusement devices, operational and IT software packages as well as ride and show systems. Spring.

HFT 3785 RCHM-TEA 3(3,0)  
Management of Gaming Enterprises: PR: Junior level standing. An in-depth study of gaming-based organizations including cruise ships, 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 3807 RCHM-HOS 3(3,0)  
Multi-Unit Food Service Operations: PR: HFT 3263 and junior standing or C.I. The strategy and management of chain restaurant management, including organization development, brand building, and industry segments. Spring.

HFT 3834 RCHM-HSP SERV 3(3,0)  
Topics in Restaurant and Foodservice Management: PR: HFT 3263 and FSS 2221C. Guest lecture series covering contemporary issues in the various segments of the foodservice industry. Odd Spring.

HFT 3868 RCHM-HOS 3(3,0)  
History and Culture of Wine: PR: World History course or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring. M&S fee: $45.00

HFT 3933 RCHM-RCHM 1(1,0)  

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. Graded S/U. Fall, Spring.

HFT 4250C RCHM-HOS 3(3,1)  
Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related content areas; food service lab component. Occasional.

HFT 4253 RCHM-HOS 3(3,0)  
Hotel Operations: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT 3603; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Provides the advanced student with first-hand knowledge of the day-to-day operations of a hotel property. Reconciles conflicts between theory and practice in a real life hotel. Spring.

HFT 4255 RCHM-HOS 3(3,0)  
Advanced Hotel Development: PR: HFT 4464, HFT 4473, or C.I. Hotel investment practices, risk management and other investment decision factors. Occasional.

HFT 4266 RCHM-HOS 3(3,0)  
Restaurant Brand Management: PR: HFT 3262 and junior standing or C.I. Exploration of the principles of brand management for the corporate restaurant industry. Occasional.

HFT 4268 RCHM-HOS 3(3,0)  
Case Studies in Restaurant Management: PR: HFT 3263 and junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management. Fall, Spring.

HFT 4269 RCHM-HOS 3(3,0)  
Case Studies in Multi-Unit Restaurant Management: PR: HFT 3263. Application of case study methodology to advanced topics in chain or multi-unit restaurant and food service operations. Occasional.
UCF Courses and Descriptions

HFT 4274 RCHM-HOS 3(3,0)
Vacation Ownership Resort Management: PR: HFT 1000, HFT 3273, HFT 4592 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 Club Management: PR: HFT 1000 and junior standing or C.I. A study of the history, development, operation and management of Yacht, Country and Club organizations. 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 4135. Teaching and training methodologies relative to the service positions in a restauranteur. Encompasses training techniques, guest interaction, and assessment of service performance. Occasional.

HFT 4286 RCHM-HSP SERV 3(3,0)
Hospitality Communications: PR: HFT 1000; HFT 2220; FSS 2221C, HFT 2254; HFT 2500; HFT 3603; HFT 2401; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on interdepartmental dependency by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4295 RCHM-HSP SERV 3(3,0)
Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall, Spring.

HFT 4298 RCHM-HSP SERV 3(3,0)
Hospitality Business Consulting: PR: HFT 1000 and junior standing or C.I. A systematic approach to Hospitality Management. Students apply their cumulative knowledge in an active learning environment within a small hospitality operation. Occasional.

HFT 4343 RCHM-HSP SERV 3(3,0)
Hospitality Facilities Planning and Design: PR: HFT 1000, HFT 2254 and junior standing or C.I. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas. Odd Fall.

HFT 4358 RCHM-TEA 3(3,0)

HFT 4375 RCHM-TEA 3(3,0)
Advanced Trade Show Management: PR: HFT 4745 or C.I. Trade show institution, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.

HFT 4413 RCHM-HSP SERV 3(3,0)
Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Provides students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. Odd Spring.

HFT 4425 RCHM-HSP SERV 3(3,0)

HFT 4428 RCHM-HSP SERV 3(3,0)

HFT 4442 RCHM-HOS 3(3,0)
Vacation Ownership Reservations and Database Systems: PR: HFT 1000, HFT 3273, HFT 4522, HFT 2474 or C.I. Tactics and strategies necessary for owner exchange, information transmission, and financial reporting. Occasional.

HFT 4457 RCHM-HSP SERV 3(3,0)
Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Even Spring.

HFT 4464 RCHM-HOS 3(3,0)
Hospitality Industry Finance: PR: HFT 3431 and junior standing or C.I. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing. Odd Fall, Odd Spring.

HFT 4473 RCHM-HSP SERV 3(3,0)

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. Review of methodological operation, financial, and marketing aspects of analyses for hotel development projects. Occasional.

HFT 4561 RCHM-TEA 3(3,0)

HFT 4614 RCHM-TEA 3(3,0)
Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 3803; or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.

HFT 4645 RCHM-HOS 3(3,0)
Restaurant Real Estate, Site Selection, and Modeling.: PR: Hospitality and Restaurant Management Core or C.I. Explains the management systems for finding, evaluating, and developing dynamic restaurant real estate locations. Occasional.

HFT 4722 RCHM-TEA 3(3,0)

HFT 4735 RCHM-TEA 3(3,0)
Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and the World. Fall, Spring.

HFT 4736 RCHM-TEA 3(3,0)
Destination Management: PR: HFT 3700. Principles and issues related to destination management; strategies and processes involving design, operations, distribution, networking and impact of tourism at the destination. Occasional.

HFT 4753 RCHM-TEA 3(3,0)
Convention and Conference Services: PR: HFT 3517 and junior standing or C.I. Provides an in-depth understanding of the acquisition and management of services (food and beverage, audio visual, transportation, etc.) integral to effective convention and conference operations. Spring.

HFT 4754 RCHM-TEA 3(3,0)
Exhibit and Trade Show Operations: PR: HFT 2750 and junior standing or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. Fall, Spring.

HFT 4755 RCHM-TEA 3(3,0)
Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design. Fall, Spring.

HFT 4757 RCHM-TEA 3(3,0)
Event Management: PR: HFT 3443, HFT 3670, HFT 3792, HFT 3512, HFT 4802 and junior standing or C.I. Reviews the role and scope of events in the hospitality industry, as well as the process of planning, organizing, and managing events. Fall, Spring. M&S fee: $37.00.

HFT 4758 RCHM-TEA 3(3,0)
Contemporary Issues in the Theme Park and Attraction Industry: PR: HFT 4755 and junior standing or C.I. Examination of current issues in the theme park and attraction industry, including hands-on situation analysis. Fall.

HFT 4759 RCHM-TEA 3(3,0)
Product Development in Theme Parks and Attractions: PR: HFT 4755 and junior standing or C.I. The strategic management process associated with product development in the theme parks and attraction industry. Occasional.

HFT 4762 RCHM-TEA 3(3,0)

HFT 4786 RCHM-TEA 3(3,0)
Managing the Guest Experience in the Theme Park and Attraction Industry: PR: HFT 4755. The management of guest needs and expectations in theme parks and attractions. Spring.

HFT 4787 RCHM-TEA 3(3,0)
Operational Issues in the Theme Park and Attraction Industry: PR: HFT 4755. Organizational structure and operational culture of theme parks and attractions. Fall.

HFT 4791 RCHM-TEA 3(3,0)
Event Management I: PR: HFT 3670, HFT 3512, HFT 3443, HFT 3792, FSS 2221C, HFT 3802, and HFT 3757. Capstone course in event management. Students produce an event that has been planned in HFT 3757. Occasional. M&S fee: $45.00.
HFT 4795 RCHM-TEA 3(3,0)  Entertainment Arts and Events: PR: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, costuming, staffing, and evaluation. Fall, Spring.

HFT 4796 RCHM-TEA 3(3,0)  International Events: PR: HFT 1000 and HFT 2760; or C.I. Considerations when planning events that are held outside of the United States or that attract a large number of participants from outside the United States. Occasional.

HFT 4802 RCHM-TEA 3(3,0)  Catering Management: PR: HFT 3443, HFT 3670, HFT 3792, HFT 3512, FSS 2221C. Catering sales and operations: Emphasis on logistics, market segments, and service. Fall, Spring. M&S fee: $45.00

HFT 4844 RCHM-HOS 3(3,0)  Sanitation in the Food Service Industry: PR: HFT 1000 and junior standing or C.I. Causes and prevention of food spoilage and food borne illnesses. Includes National Restaurant Association (NRA) certification. Occasional.

HFT 4861C RCHM-HOS 3(3,1)  Beverage Management: PR: Minimum age of 21 of the first day of class and junior standing. The origin production, storing, marketing, and control of beverages in the hospitality industry. Spring. M&S fee: $45.00


HFT 4865 RCHM-HOS 3(3,0)  Advanced Wine Management: PR: HFT 4866 or C.I. Advanced study of viticulture, enology and wine regions of the world. Occasional. M&S fee: $45.00

HFT 4866C RCHM-HOS 3(3,1)  Exploring Wines of the World: PR: HFT 1000; HFT 3263; and Age of 21; or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. Odd Fall. Even Spring. M&S fee: $45.00

HFT 4894 RCHM-HOS 3(3,0)  International Gastronomy: PR: FSS 2221C, HFT 3700, and C.I. A world view of culture and cuisine that includes an international travel component. May be used in the degree program a maximum of 2 times. Spring.

HFT 4949 RCHM-RCHM 0-5(0,1,5)  Cooperative Education: Provides paid, pre-professional work experience related to the students major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.

HIM 3006 HPA-HMI 3(3,0)  Foundations of Health Information Management (HIM): PR: Acceptance into upper-division limited access HIM program or C.I. Foundation of profession; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

HIM 3116C HPA-HMI 4(3,2)  Health Record Organization and Management: PR: HIM 3006. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing, computer abstracting, accrediting and approving agencies; medical staff organization. Spring.

HIM 3806C HPA-HMI 3(1,4)  Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HSC 3557 and HIM 3116C. Virtual hospital tour; master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. Fall, Spring.

HIM 4226C HPA-HMI 5(3,4)  Coding Procedures I: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for inpatient health information retrieval, ICD-9-CM, DRGs, encoders. Fall, Spring.

HIM 4256C HPA-HMI 3(2,2)  Coding Procedures II: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval, CPT/HCPCS, APCs, encoders. Fall, Spring.

HIM 4344C HPA-HMI 4(3,2)  Health Information Department Management: PR: HIM 3116C; HSA 4100 or MAN 3025; or C.I. Personnel administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning. Fall.

HIM 4506C HPA-HMI 3(2,2)  Quality Management: PR: HSC 3537 or C.I. Principles and mechanics of quality improvement; utilization review; case management and risk management. Fall, Spring.

HIM 4656C HPA-HMI 3(2,2)  Health Information Management Systems: PR: HSA 4101; or C.I. Vitalization of computerized information systems, management and patient care in the health care industry, systems analysis, system design and project management concepts. Fall, Spring.

HIM 4676 HPA-HMI 3(3,0)  Professional Development and Issues in Health Information Management: PR: HIM 4344C, HIM 4506C. Analysis of management functions in health care setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers. Spring.

HIM 4816C HPA-HP 3(1,4)  Professional Practice Experience II: PR: HIM 3006C and CR: HIM 4226C, HIM 4256C, HIM 4344C, and HIM 4506C. Transcription; coding; quality improvement; risk management; human resources; statistics; accrediting and licensing; revenue management cycle; medical staff organization. Fall, Spring.

HIM 4838 HPA-HMI 5(0,15)  Management Affiliation: PR: All other required courses. Assignment to a selected health care facility serving in an administrative capacity under the direction of a Registered Records 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. Graded S/U. May be repeated for credit. Occasional.

HIS 4070 CAH-HIST 3(3,0)  Oral History: PR: Either AMH 210, AMH 220 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 used in the degree program a maximum of 2 times. Fall, Spring.


HIS 4935 CAH-HIST 3(3,0)  Seminar in History: 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 Seminar: PR: Original research paper available to advanced history majors, topics to be selected in consultation with a directing professor. Occasional.

HIS 4970H CAH-HIST 3(3,0)  Undergraduate Honors Thesis: Graded S/U or Letter grade. Occasional.

HIS 5067 CAH-HIST 3(3,0)  Introduction to Public History: PR: Graduate status or senior standing or C.I. Examine and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. Occasional.

HIS 5158 CAH-HIST 3(3,0)  Classic and Contemporary Historical Thought: PR: Graduate status or senior standing or C.I. Course will explore work of important historians influenced by social theory to gain an understanding of their main concepts. Occasional.

HLP 2701 ED-ERTL 3(3,0)  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-ERTL 1(1,0)  Teaching Elementary School Health and Physical Education: PR: EDF 2005; CR: ARE 4313, MUE 3210, RED 4191, MAE 4238, and EDE 3942. Organization, practice, and conduct of health (including drug abuse) and physical education programs in the elementary school. Fall, Spring.

HSA 3012 HPA-HP 3(3,0)  Issues & Trends in Public Health: PR: STA 2023 or C.I. The American public health system, looking at the historical, present day, and future organization and management of all its components. Fall.

HSA 3111 HPA-HP 3(3,0)  U.S. Health Care Systems: PR: Major or minor in College of Health or C.I. A survey of the economics, social, and political aspects of the health care system in the United States. Fall, Spring.

HSA 3111H HPA-HP 3(3,0)  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 content. 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.
emphasis on religion, literature, philosophy, art and music.

**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. Honors. Fall, Spring.

**HUM 2220 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. Honors. Content. Fall.

**HUM 2230 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 their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors. Content. Fall.

**HUM 2320 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 2352 CAH-PHIL** 3(3,0)

Contemporary Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the 20th century. Occasional.

**HUM 2355 CAH-PHIL** 3(3,0)

Modern Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the modern period. Occasional.

**HUM 3320 CAH-PHIL** 3(3,0)

Contemporary Multicultural Studies: PR: HUM 2230, Junior standing, or C.I. Studies the confluence of diverse cultures making up North America in the Information Age, focusing on complete primary sources in philosophy, literature, visual arts and music. Even Fall.

**HUM 3394 CAH-PHIL** 3(3,0)

Representations of Place and Space: PR: HUM 2230 or C.I. Phenomenological, symbolic, constructivist, and interpretative approaches to personal and social place and space. Occasional.

**HUM 3401 CAH-PHIL** 3(3,0)

Asian Humanities: PR: HUM 2230 or C.I. An interdisciplinary survey of the cultures of India, China, and Japan, concentrating on their traditional art, literature, religion, philosophy, and music. Occasional.

**HUM 3417 CAH-PHIL** 3(3,0)

Hindu Thought and Culture: PR: HUM 2230, REL 2300, or C.I. A survey of the development of Hindu thought and culture from Vedic times to the modern age, with emphasis on religion, literature, philosophy, art and music. Occasional.

**HUM 3419 CAH-PHIL** 3(3,0)

Islamic Thought and Culture: PR: HUM 2230, or REL 2300, or C.I. The development of Islamic thought and culture concentrating on religion, jurisprudence, science and art with special focus on reception of Islam in Western literature and scholarship. Occasional.

**HUM 3419H CAH-PHIL** 3(3,0)

Honors Islamic Thought and Culture: PR: HUM 2230, or REL 2300, and Consent of Honors. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on reception of Islam in Western literature and scholarship. With Honors content. Occasional.

**HUM 3431 CAH-PHIL** 3(3,0)

Ancient Humanities: PR: HUM 2230 or C.I. Development of Ancient Greek thought and culture with emphasis on philosophy, religion, literature and art. Occasional.

**HUM 3435 CAH-PHIL** 3(3,0)

Medieval Humanities: PR: ENC 1102 or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art. Occasional.

**HUM 3460 CAH-PHIL** 3(3,0)

Latin American Humanities: PR: HUM 2210 or HUM 2230. Ideas in cultures of Latin America and Caribbean basin as expressed in arts, architecture, music, philosophy, religion, literature and film. Occasional.

**HUM 3552 CAH-PHIL** 3(3,0)

Christian Thought: PR: ENC 1102. Christian thought from 4th century to present, concentrating on human nature, social justice, the state, war, and attitudes toward women. Occasional.

**HUM 3553 CAH-PHIL** 3(3,0)

Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Deals with the main themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

**HUM 3800 CAH-PHIL** 3(3,0)

Research Methods in Humanities: PR: Junior standing, and Humanities or Philosophy major or C.I. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies. Occasional.

**HUM 4301 CAH-PHIL** 3(3,0)

The Classical Ideal: PR: HUM 2210 or C.I. The search for order and form in the arts of various times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Spring.

**HUM 4303 CAH-PHIL** 3(3,0)

The Spiritual Ideal: PR: HUM 2210 and HUM 2230 or C.I. Concerns works of art reflecting spiritual insight or the spiritual quest; mystical impulses contrasted to ethos and pathos. Odd Spring.

**HUM 4330 CAH-PHIL** 3(3,0)

Performance Theory: PR: Junior standing and HUM 2230 and either PHI 2010, PHI 2111, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performatives, bodily and virtual performances, self-identity, and the politics of performance. Occasional.

**HUM 4393 CAH-PHIL** 3(1,0)

Portfolio: PR: Last semester as Humanities major. Presentation of a representative sampling of student’s best undergraduate work, with appropriate revisions, including a cover narrative indicating development of humanistic knowledge and skills. Graded S/U. Fall, Spring.

**HUM 4554 CAH-PHIL** 3(3,0)

Religious Quest and Human Dilemma: PR: ENC 1102 or C.I. Nature of the sacred, death, and future life and how they relate to human existence. Even Fall.

**HUM 4556 CAH-PHIL** 3(3,0)

Religion and the Arts: PR: One of: HUM 2210, HUM 2230, ART 2060, ARH 2001, 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 4889 or graduate standing. Approaches, concepts, methods, and theoretical issues in the Humanities with an emphasis on critical analysis of diverse disciplinary and interdisciplinary theories and methods. Fall.

**HUM 5809 CAH-PHIL** 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 3001 CON-NURS** 3(3,0)

Human Nutrition: Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. Fall, Spring.

**HUN 3013 RCHM-HOS** 3(3,0)

Nursing Concepts and Issues in the Food Service Industry: PR: FSS 2221C or C.I. Introduces basic nutrition concepts, discusses nutrition concepts and concerns in relation to food preparation and service in the hospitality industry. Occasional.

**HUN 5247 HPA-HP** 3(3,0)

Principles of Human Nutrition: PR: Admission to Health Sciences M5 Clinical and Lifestyle Sciences track or C.I. Course promotes in-depth understanding of the role of macronutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work. Occasional.

**IDH 1920H BHC-HON** 2(2,1)


**IDH 1921H BHC-HON** 2(2,0)

Honors Symposium II: PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.

**IDH 1923H BHC-HON** 2(2,1)

Honors Foundation of Leadership: PR: Permission of Honors. An honors symposium that presents academic leaders and their research or artistic achievements. Students are organized in groups to discuss leadership principles and applications. Graded S/U. Occasional.
UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>IDH 4030H</td>
<td>HBC-HON</td>
<td>1(3,0)</td>
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<td>Honors Windows To The World: PR: Permission of Honors and IDH 392NH, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.</td>
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<tr>
<td>IDS 1040C</td>
<td>COS-COMM</td>
<td>2(1.1)</td>
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<td>Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Arts &amp; Sciences providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall. Spring.</td>
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<tr>
<td>IDS 2041C</td>
<td>COS-COS</td>
<td>2(1.1)</td>
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<td>LEAD Colloquium: PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, GES 1091C, HSC 1931C, EGN 1058C, EDG 1005, or EDF 1620C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.</td>
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<tr>
<td>IDS 3150</td>
<td>UGST-INTERDISC</td>
<td>3(3,0)</td>
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<td>Foundations of Environmental Studies: PR: Junior standing, complete equivalent of UCF Science and Math Department courses providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall. Spring.</td>
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<tr>
<td>IDS 3334</td>
<td>UGST-INTERDISC</td>
<td>3(3,0)</td>
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<td>Topics in Latina Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. Occasional.</td>
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<tr>
<td>IDS 3933</td>
<td>UGST-INTERDISC</td>
<td>3(3,0)</td>
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<td>Cornerstone Experience: PR: ENC 1102. Junior standing. Interdisciplinary Studies majors, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall. Spring.</td>
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<tr>
<td>IDS 4156</td>
<td>UGST-INTERDISC</td>
<td>3(3,0)</td>
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<td>Solving Environmental Problems: PR: IDS 3150, ECP 4302, GES 3042C, GES 4011C and PUP 3003, C.I. Capstone course in Environmental Studies focusing on how environmental dilemmas are addressed. Occasional.</td>
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<tr>
<td>IDS 4315</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
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<td>Global Perspectives: PR: Completion of general education requirements and junior standing or C.I. The historical and contemporary contexts of globalization. Spring.</td>
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<td>IDS 4335</td>
<td>CAH-CAH</td>
<td>3(3,0)</td>
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<td>Latino Artistic Expressions: PR: IDS 3334 or C.I. Latino culture as represented by the Arts in the United States. Odd Spring.</td>
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<td>IDS 4334</td>
<td>UGST-INTERDISC</td>
<td>3(3,0)</td>
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<td>Capstone Experience: PR: IDS 3933, Junior standing, and Interdisciplinary Studies major, or C.I. Student exposure of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic/career goals. Fall, Spring. M&amp;S fee: $17.00</td>
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<tr>
<td>IDS 4335</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
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<tr>
<td>IDS 5127</td>
<td>COM&amp;M&amp;M</td>
<td>3(3,0)</td>
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<td>Foundation of Bio-Imaging Science: PR: Graduate standing. Fundamental theory, design, and practice of modern bio-imaging techniques used for basic biomedical research applications. Occasional.</td>
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<td>IDS 5145</td>
<td>ECS-IEMS</td>
<td>3(3,2)</td>
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<td>Interdisciplinary Course in Simulation: PR: Calculus, matrix algebra, probability and statistics, high level programming language. An interdisciplinary course on simulation with hands-on experience in discrete event modeling, continuous modeling and shared virtual world. May be repeated for credit. Occasional.</td>
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<tr>
<td>IDS 5171C</td>
<td>COS-PSYCH</td>
<td>3(2,2)</td>
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<td>Introduction to Modeling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary scientific underpinnings. Fall.</td>
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<tr>
<td>IDS 5719</td>
<td>COS-PSYCH</td>
<td>3(3,0)</td>
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<td>Quantitative Aspects of Modeling and Simulation: PR: MAC 224L or equivalent. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. Spring.</td>
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<tr>
<td>IDS 5915</td>
<td>CAH-PHIIL</td>
<td>3(3,0)</td>
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<td>IDS 5936</td>
<td>CAH-PHIIL</td>
<td>3(3,0)</td>
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<td>Topics in Cognitive Sciences: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, and behavioral capacities. Fall.</td>
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<tr>
<td>INP 3000</td>
<td>COS-PSYCH</td>
<td>3(3,0)</td>
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<td>Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Psychological theories and principles applicable to problems in industrial organizations. Fall.</td>
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<tr>
<td>INP 3004H</td>
<td>COS-PSYCH</td>
<td>3(3,0)</td>
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<tr>
<td>INP 3141C</td>
<td>COS-PSYCH</td>
<td>1-3(0,3-9)</td>
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<td>Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or educational settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. Fall, Spring.</td>
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<tr>
<td>INP 3951</td>
<td>COS-PSYCH</td>
<td>3(0,10)</td>
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<td>Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.</td>
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<tr>
<td>INP 4425</td>
<td>COS-PSYCH</td>
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<td>Advanced Industrial Psychology: PR: INP 3004 and PSY 3213C. Application of psychological principles to industrial problems. Topics include selection, training, performance appraisal, job design, and work environment. Occasional.</td>
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<tr>
<td>INP 4313</td>
<td>COS-PSYCH</td>
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<td>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.</td>
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<tr>
<td>INP 4380</td>
<td>COS-PSYCH</td>
<td>3(3,0)</td>
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<td>Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups and teams from social and applied psychology perspectives. Occasional.</td>
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<tr>
<td>INP 5825</td>
<td>COS-PSYCH</td>
<td>3(3,0)</td>
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<td>Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.</td>
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<tr>
<td>INR 2002</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
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<td>International Relations-Theory and Practice: PR: Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall. Spring.</td>
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<tr>
<td>INR 3016</td>
<td>COS-POLS</td>
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<td>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.</td>
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<tr>
<td>INR 3250</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
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<tr>
<td>INR 3253</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
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<td>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.</td>
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<tr>
<td>INR 4011</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
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<td>Politics of Globalization: PR: INR 2002 or POS 2041 or C.I. Major political causes and consequences of globalization. Occasional.</td>
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<tr>
<td>INR 4030</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
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<tr>
<td>INR 4030H</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
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<tr>
<td>INR 4035</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
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<td></td>
<td>International Political Economy: The international political economy of regional and global economic interdependence, with emphasis upon North-South relations, the New International Economic Order, OPEC, and multinational corporations. Odd Spring.</td>
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<tr>
<td>INR 4054</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
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<td>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.</td>
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<tr>
<td>INR 4060</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
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<td>Causes of War: PR: POS 2041 or INR 2002 or C.I. The primary theoretical and empirical research explaining militarized interstate conflict. Fall.</td>
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<tr>
<td>INR 4063</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
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<td>The Cold War: PR: INR 2002 or C.I. Politics of U.S.-Soviet relations emphasizing the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. Occasional.</td>
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<tr>
<td>INR 4064</td>
<td>COS-POLS</td>
<td>3(3,0)</td>
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<td>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.</td>
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<td>Course Code</td>
<td>Course Title</td>
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<tr>
<td>INR 4074</td>
<td>COS-POLS 3(3,0) Immigrant 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 security impact. Occasional.</td>
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<tr>
<td>INR 4076</td>
<td>COS-POLS 3(3,0) Global Drug Policy: PR: POS 2041, Junior standing or C.I. International drug control issues, policy formulation and enforcement, impact of government and political economic systems on drug policy. Selected Latin American and Third World cases. Odd Spring.</td>
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<tr>
<td>INR 4084</td>
<td>COS-POLS 3(3,0) Politics of International Terrorism: PR: POS 2041 or C.I. Nature and policies of terrorism with primary focus on its implications for international relations. Occasional.</td>
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<tr>
<td>INR 4102</td>
<td>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.</td>
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<tr>
<td>INR 4104</td>
<td>COS-POLS 3(3,0) Topics and Cases in American Foreign Policy: PR: POS 2041, Jr. standing or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include: September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.</td>
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<tr>
<td>INR 4114</td>
<td>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.</td>
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<tr>
<td>INR 4115</td>
<td>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.</td>
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<tr>
<td>INR 4224</td>
<td>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.</td>
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<tr>
<td>INR 4225</td>
<td>COS-POLS 3(3,0) The Vietnam War: Background of events leading to America's involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Occasional.</td>
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<tr>
<td>INR 4243</td>
<td>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.</td>
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<tr>
<td>INR 4304</td>
<td>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.</td>
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<tr>
<td>INR 4335</td>
<td>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.</td>
<td></td>
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<tr>
<td>INR 4350</td>
<td>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.</td>
<td></td>
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<tr>
<td>INR 4351</td>
<td>COS-POLS 3(3,0) International Environmental Law: PR: Junior standing or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth’s biosphere when challenged by national sovereignty and economic and cultural diversity. Occasional.</td>
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<tr>
<td>INR 4364</td>
<td>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.</td>
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<tr>
<td>INR 4401</td>
<td>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, expropriation, nationality, and aliens. Occasional.</td>
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<tr>
<td>INR 4402</td>
<td>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.</td>
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<tr>
<td>INR 4404</td>
<td>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.</td>
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<tr>
<td>INR 4502</td>
<td>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.</td>
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<tr>
<td>INR 4603</td>
<td>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 postmodernism. Occasional.</td>
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<tr>
<td>INT 4134</td>
<td>HPA-COM SC&amp;DIS 3(3,0) Ethics of Interpreting Sign Language: PR: ASL 2140, ASL 2150, ASL 4161C. A study of the role of the interpreter, including business practices, professional conduct and interpreting settings. Occasional.</td>
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<tr>
<td>INT 4205C</td>
<td>HPA-COM SC&amp;DIS 4(3,1) Interactive Interpreting I: PR: ASL 2140, ASL 2150 and ASL 4161C or C.I. Theories, guidelines, principles and practices of interpreting, including interpreter’s role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations. Occasional.</td>
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</tbody>
</table>
UCF Courses and Descriptions

ISM 3521  BA-MIS  3(3,0)
Business Applications: PR: CGS 2100C or CGS 1000C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. Advanced topics concerning the use of application software in organizations. Focus on integration of applications. Occasional.

ISM 3530  BA-MIS  3(3,0)
Quality & Productivity Management: PR: GEB 3031, MAN 3025. Open to MIS Majors and Minors and students whose major requires it. Principles and theories of quality and productivity management in manufacturing and service organizations. Fall, Spring.

ISM 4090  BA-MIS  3(3,0)

ISM 4113  BA-MIS  3(3,0)
Information Systems Analysis and Design: PR: ISM 3253, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Structured approaches to the development of computer-based information systems in business. Fall, Spring.

ISM 4114  BA-MIS  3(3,0)
Advanced Business Application Development: PR: ISM 3253, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Theory and practice in developing client-server applications for business and use of modern development tools. Includes principles of multituser application design and implementation. Occasional.

ISM 4130  BA-MIS  3(3,0)

ISM 4153C  BA-MIS  3(2,1)
Enterprise Information Systems: PR: ISM 3011C. Open to MIS majors and minors and other appropriate majors. Implementing and managing enterprise information systems in organizations. Fall, Spring.

ISM 4154  BA-MIS  3(3,0)
Enterprise Application Development: PR: ISM 3011C. Open to MIS Majors and Minors and other appropriate majors. Design and development of enterprise applications with special emphasis on web based development platforms. Occasional.

ISM 4212C  BA-MIS  4(3,2)
Database Design and Implementation: PR: ISM 3253, Open to MIS Majors and Minors and students whose major requires it. Computer networking and communications, Managerial and technical dimensions of client server and other modes of distributed and decentralized computing in business. Fall, Spring.

ISM 4220  BA-MIS  3(3,0)
Advanced Distributed Information Systems: PR: ISM 4220. Open to MIS Majors and Minors and other appropriate majors. Provides students with in-depth, hands-on experience with networking hardware and software. Teamwork is emphasized in mastering networking concepts. Occasional.

ISM 423B  BA-MIS  3(3,0)
Business Programming/OOP: PR: ISM 3253, ISM 4212C, or C.I. Open to MIS Majors and Minors and students whose major requires it. An introduction to object-oriented programming (OOP) and object-oriented design (OOD). Occasional.

ISM 4300  BA-MIS  3(3,0)
Information Technology Management: PR: ISM 4212C. Open to MIS Majors and Minors and other appropriate majors. The strategy and theory of the design, development, adoption, and management of new information technologies. Fall, Spring.

ISM 4314  BA-MIS  3(3,0)
Business Project Management: PR: ISM 3011C. Foundations of project management in commercial organizations. Covers all project phases from initiation to termination. Occasional.

ISM 4323  BA-MIS  3(3,0)
Information Systems Security: PR: ISM 4220. Open to MIS Majors and Minors and students whose major requires it. Primary issues related to information systems security in an organization’s IT infrastructure. Occasional.

ISM 4400  BA-MIS  3(3,0)
Decision Support: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer-based quantitative models and decision support systems in organizations. Fall, Spring.

ISM 4431  BA-MIS  3(3,0)

ISM 4480  BA-MIS  3(3,0)

ISM 4941  BA-MIS  3(0,3)
Internship in MIS: PR: ISM 3253, ISM 4212C, and ISM 3011C, consent of department chair. Provides student with supervised, management information system-related work experience in a sponsoring organization. See department for information. Fall, Spring.

ISM 5021  BA-MIS  3(3,0)
Introduction to Management Information Systems: PR: Acceptance into the graduate program. Designed to provide the student with the fundamentals of business data processing and management information systems used by organizations in a modern society. Occasional.

ISM 5123  BA-MIS  3(3,0)
Concepts of Systems Analysis and Design: PR: Graduate standing. Using a traditional systems approach, the course introduces practical tools and techniques for organizational analysis and the subsequent design of an information system. Occasional.

ISM 5127  BA-MIS  3(3,0)

ISM 5129  BA-MIS  3(3,0)

ISM 5256  BA-MIS  3(3,0)
Concepts of Business Programming: PR: Senior or admission to graduate study. Principles of programming including program design, fundamental programming contracts, and database access. Occasional.

ISM 5315  BA-MIS  3(3,0)
Information Systems Project Management: PR: Graduate standing. This course introduces students to the concept of project management including project scope, cost, time and quality. Occasional.

ISM 5507  BA-MIS  3(3,0)

IS 5815  BA-MIS  3(3,0)

ITA 1120C  CAH-LANG  4(3,1)
Elementary Italian Language and Civilization I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

ITA 1121C  CAH-LANG  4(3,1)
Elementary Italian Language and Civilization II: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. Fall, Spring.

ITA 2200  CAH-LANG  3(3,0)
Intermediate Italian Language and Civilization I: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture. Fall.

ITA 2201  CAH-LANG  3(3,0)
Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization. Spring.

ITA 2210  CAH-LANG  3(3,0)
Intensive Italian Conversation: PR: One year of Italian or equivalent. Practical use of the language leading toward fluency and correctness in speaking. Occasional.

ITA 2240  CAH-LANG  3(3,0)
Italian Conversation: PR: ITA 2201, or equivalent. Development of skills in conversation and comprehension with an introduction to Italian culture. Occasional.

ITA 3420  CAH-LANG  3(3,0)
Italian Composition: PR: ITA 2201, or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.

ITA 3440  CAH-LANG  3(3,0)

ITA 3472  CAH-LANG  3(3,0)

ITA 3760  CAH-LANG  3(3,0)
Advanced Italian Oral Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic training in diction and pronunciation. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITA 4820  CAH-LANG  3(3,0)

ITT 3443  CAH-LANG  3(3,0)
Dante’s Inferno. In English.
IT 3480 CAH-LANG 3(3,0)
Study Abroad: Italian Literature in Translation: PR: C.I. Main literary tendencies and authors of Italian literature, taught in the native environment. Occasional.

IT 4956 CAH-LANG 3(3,0)
Study Abroad: Modern and Contemporary Italian Culture: PR: Junior standing and C.I. Modern and contemporary Italian culture in the natural environment. Occasional.

IT 4957H CAH-LANG 3(3,0)
Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian Literature, with honors content. Occasional.

ITW 3100 CAH-LANG 3(3,0)
Survey of Italian Literature I: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

ITW 3101 CAH-LANG 3(3,0)
Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. Occasional.

JOU 2100C COS-COMM 3(3,1)
News Reporting: PR: Journalism major or Magazine Writing minor. Covering sports for the magazine industry, emphasizing business operations and current topics. 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 3101. Reporting on city, county and state government. Fall, Spring. M&S fee: $15.00

JOU 3130 COS-COMM 3(3,0)
In-Depth Reporting: PR: STA 1060C or MAC 1105, and JOU 2100C, or C.I. Writing with analysis, using detail, description, and demographics. Occasional.

JOU 3184C COS-COMM 3(2,1)
Metro Reporting: PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Coverage of several important news beats in a metropolitan area. Occasional.

JOU 3201 COS-COMM 3(3,0)
Editing I: PR: Journalism major or Magazine Journalism minor and meet grammar proficiency requirement. Editing copy, writing headlines, managing newroom operations. Fall, Spring. M&S fee: $15.00

JOU 3202 COS-COMM 3(3,0)
Editing II: PR: Journalism major or Magazine Writing minor, a minimum grade of “C” (2.0) in JOU 3201, and a minimum grade of “C” (2.0) in JOU 2100C. Practical aspects of editing. Principles of design, Practice in editing and layout. Fall, Spring. M&S fee: $15.00

JOU 3313C COS-COMM 3(2,1)
Sports Reporting: PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Covering sports for the print media; issues, principles, and practices. Occasional.

JOU 3510 COS-COMM 3(3,0)
Magazine Publishing: PR: Journalism major or Magazine Writing minor, and a minimum grade of “C” (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current topics. Spring.

JOU 4181 COS-COMM 3(3,0)
Public Affairs Reporting: PR: Journalism major, and a minimum grade of “C” (2.0) in both JOU 2100C and JOU 3184C. Reporting on city, county and state government. Fall, Spring. M&S fee: $15.00

JOU 4211C COS-COMM 3(2,1)
Informational Graphics: PR: 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 4213C COS-COMM 3(2,1)
Page Design: PR: Journalism major and JOU 3201. Designing newspaper pages, including stories, headlines, and other content. Fall, Spring.

JOU 4224 COS-COMM 3(3,0)
Magazine Editing and Production: PR: Journalism major or Magazine Writing minor, and a minimum grade of “C” (2.0) in JOU 2100C. The magazine industry, including writing and editing skills, and editorial, business, and production requirements. Occasional.

JOU 4300 COS-COMM 3(3,0)
Feature Writing: PR: Journalism major or Magazine Writing minor. 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: PUR 3100, or a minimum grade of “C” (2.0) in JOU 2100C. The development, implementation and problems of using the Internet as a journalistic tool. Writing and design news for the Web. Occasional. M&S fee: $15.00

JOU 4341C COS-COMM 3(1,3)
On-line Journalism II: PR: JOU 4340C. Study, design, and development of on-line journalism materials. Occasional. M&S fee: $15.00

JOU 4342C COS-COMM 3(2,1)

JOU 4700 COS-COMM 3(3,0)

JPN 2101 COS-LANG 3(3,0)
Intermediate Japanese Language and Civilization II: PR: JPN 2201 or equivalent. Continuation of JPN 2201 with emphasis on Japanese civilization. Spring.

JPN 2952 CAH-LANG 3(3,0)

JPN 3760 CAH-LANG 3(3,0)
Advanced Japanese Conversation: PR: JPN 1121C or equivalent proficiency. Communication in conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse. Occasional.

JST 3005 CAH-JUD 3(3,0)

JST 3100 CAH-JUD 3(3,0)

JST 3120 CAH-JUD 3(3,0)

JST 3121 CAH-JUD 3(3,0)
Classic Texts of Judaism: PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegetics, Apocrypha, Qumran documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. Occasional.

JST 3125 CAH-JUD 3(3,0)

JST 3126 CAH-JUD 3(3,0)
Romantic Love in the Bible: PR: ENC 1102, Junior standing. The dimensions of romantic love in the Hebrew Bible, focusing on the depiction of human feelings of love and relationship, the nature of man-woman interactions in ancient Israel. Occasional.

JST 3144 CAH-JUD 3(3,0)
Dead Sea Scrolls: PR: Junior standing or C.J. The Dead Sea Scrolls, their literary and historical context, and significance. Occasional.

JST 3190 CAH-JUD 3(3,0)
The Biblical Prophets: PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. Occasional.

JST 3210 CAH-JUD 3(3,0)
Kabbalah: Jewish Mysticism: PR: ENC 1102. Jewish mysticism from its early roots in the prophetic age through the flowering of Kabbalah in medieval Spain and the land of Israel, with its texts and the Zohar. Occasional.

JST 3312 CAH-JUD 3(3,0)
Identity and Genre: PR: ENC 1102 or C.J. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 18th and 19th centuries. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3312H</td>
<td>CAH-JUD</td>
<td>3(3,0)</td>
<td>Honors Jewish Identity and Genre: PR: ENC 1102 and consent of Honors. Literary genres in Jewish and Hebrew literature of the 19th and 18th centuries as related to the intellectual quest for Jewish identity and modernism. With Honors consent. Occasional.</td>
</tr>
<tr>
<td>JST 3401</td>
<td>CAH-JUD</td>
<td>3(3,0)</td>
<td>The Jewish People I: Introduction survey of the history and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. Fall.</td>
</tr>
<tr>
<td>JST 3402</td>
<td>CAH-JUD</td>
<td>3(3,0)</td>
<td>The Jewish People II: The life and history of the Jews in the medieval and modern worlds. Spring.</td>
</tr>
<tr>
<td>JST 3450</td>
<td>CAH-JUD</td>
<td>3(3,0)</td>
<td>Modern Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America, and pre-state Israel. Occasional.</td>
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<tr>
<td>JST 3481</td>
<td>CAH-JUD</td>
<td>3(3,0)</td>
<td>20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Soloveitchik, within the historical context of European immigration to the U.S. Occasional.</td>
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<tr>
<td>JST 3550</td>
<td>CAH-JUD</td>
<td>3(3,0)</td>
<td>Introduction of Modernism into Judaism: The transition from traditional Judaism to modern Judaism in the 18th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (In translation). Occasional.</td>
</tr>
<tr>
<td>JST 3701</td>
<td>CAH-JUD</td>
<td>3(3,0)</td>
<td>History of the Holocaust: A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. Occasional.</td>
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<tr>
<td>JST 3751</td>
<td>CAH-JUD</td>
<td>3(3,0)</td>
<td>Literature of the Holocaust: A study of the traumatic experience of the Holocaust in Europe as expressed and depicted in contemporary Jewish and Hebrew Literature. Occasional.</td>
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<tr>
<td>JST 3820</td>
<td>CAH-JUD</td>
<td>3(3,0)</td>
<td>Modern Hebrew Culture: The Development of the State of Israel: Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which shaped contemporary Israeli society and politics. Occasional.</td>
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<tr>
<td>LAE 3414</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>Literature for Children: PR: Admission to Undergraduate Elementary Education Program or C.I. Criteria for analysis and evaluation of children’s literature in terms of interests, needs, and abilities of children. Fall, Spring.</td>
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<tr>
<td>LAE 3431</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>Language Arts in the Elementary School: PR: EDG 4410 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school; organizing for instruction. Fall, Spring.</td>
</tr>
<tr>
<td>LAE 3432</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>Programs in Teaching Language and Composition: PR: EDG 4410; CR: LAE 4360 and LAE 3940. Special programs, strategies and materials for middle and secondary English Language Arts majors. Emphasis on individual needs of students. Fall.</td>
</tr>
<tr>
<td>LAE 3460</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>English Instructional Analysis: PR: EDG 4430, EDG 4467, TSL 4080, and LAE 4464. CR: LAE 4342 and LAE 3940. Course objectives for a school curriculum and methods and materials which have special application for teaching English at the middle grades and high school. Fall, Spring.</td>
</tr>
<tr>
<td>LAE 3461</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>Literacy Strategies for Middle and High School: PR: EDG 4232 or EVT 3385 or C.I. Theory, teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand content reading, Fall, Odd Spring.</td>
</tr>
<tr>
<td>LAE 4464</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>Survey of Adolescent Literature: PR: ENC 1101 and admission to the college. This course is designed to explore adolescent/youth adult literature from an educational and historical perspective. Spring.</td>
</tr>
<tr>
<td>LAE 5195</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>CFWP Teacher Consultant: PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing intervention components to public schools. Occasional.</td>
</tr>
<tr>
<td>LAE 5295</td>
<td>ED-TLP</td>
<td>1-3(1-3)</td>
<td>Writing Workshop: PR: C.I. Students will engage in exploration and practice of effective writing strategies. (May be repeated up to 3 semester hours.) May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>LAE 5319</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>Methods of Elementary School Language Arts: PR: EDG 4350. Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.</td>
</tr>
<tr>
<td>LAE 5337</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>Literacy Strategies for Middle and Secondary Teaching: PR: EDG 6295 or C.I. Designed to assist teachers and graduate students in understanding the adolescent learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs. Occasional.</td>
</tr>
<tr>
<td>LAE 5338</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>LAE 5346</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>Methods of Teaching English Language Arts: PR: EDG 6236 or C.I. Designed for alternative certification and Masters of Arts students to explore the strands, methods and materials related to school curriculum in teaching English. Fall, Spring.</td>
</tr>
<tr>
<td>LAE 5367</td>
<td>CAH-ENG</td>
<td>3(3,0)</td>
<td>English Composition and Literature for Teachers of Advanced Placement: PR: Graduate status or senior standing, and C.I. A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. Occasional.</td>
</tr>
<tr>
<td>LAE 5415</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>Children’s Literature in Elementary Education: Survey of children’s literature; criteria for selection according to literary elements and child development needs. Methods for presenting to children; integrating literature with elementary curricula. Spring.</td>
</tr>
<tr>
<td>LAE 5465</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>Literature for Adolescents: PR: Senior standing or C.I. Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people. Spring.</td>
</tr>
<tr>
<td>LAE 5495</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>Assessing Writing: PR: C.I. Students will explore a variety of strategies for assessing students' writing including holistic scoring, primary trait scoring, and portfolio assessment. Spring.</td>
</tr>
<tr>
<td>LAH 3400</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>History of Mexico and Central America: PR: EUH 2000 and 2001 or C.I. A survey of Mexican and Central American history from pre-Columbian times to the present. Occasional.</td>
</tr>
<tr>
<td>LAH 3470</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>History of the Caribbean: PR: EUH 2000 and 2001 or C.I. History of Cuba, Puerto Rico, Dominican Republic, and Haiti from pre-Columbian times to the present. Occasional.</td>
</tr>
<tr>
<td>LAH 4136</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>Colonial Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Spanish Colonial Florida until 1821. Odd Fall.</td>
</tr>
<tr>
<td>LAH 4480</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>History of Cuba: PR: Any two of the following: AMH 2010, AMH 2020, WOH 2012, or WOH 2022. History of Cuba from pre-Columbian era to present. Occasional.</td>
</tr>
<tr>
<td>LAH 4742</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>The Mexican Revolution: PR: AMH 2020 or C.I. Political and social history of Mexico since 1910 and domination of one party rule over 70 years. Occasional.</td>
</tr>
<tr>
<td>LAH 5713</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>Colloquium in U.S.-Latin American Relations: PR: Graduate status or senior standing or C.I. The course will analyze U.S.-Latin American relations from an historical perspective. It will be presented through readings and discussion of selected materials. Occasional.</td>
</tr>
<tr>
<td>LAS 3101</td>
<td>CAH-LAS</td>
<td>3(3,0)</td>
<td>Latin American Popular Culture: PR: SPN 1120C and CR: SPN 1121C. Examines folklore and digital media of Latin American culture with a special focus on Mexico, Puerto Rico, and Peru. Occasional.</td>
</tr>
<tr>
<td>LAS 4023</td>
<td>CAH-AAS</td>
<td>3(3,0)</td>
<td>African Caribbean Experience: PR: Junior standing or C.I. Interdisciplinary study of the evolution of African Caribbean culture, its influence on institutions, social and political movements, and contemporary Caribbean society. Occasional.</td>
</tr>
</tbody>
</table>
LAT 1120C CAH-LANG  4(3,1)  
Elementary Latin Language and Civilization I: Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.

LAT 1120H CAH-LANG  4(4,1)  
Honors Elementary Latin Language and Civilization I: PR: Permission of Honors. Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.

LAT 1121 CAH-LANG  4(4,1)  
Elementary Latin Language and Civilization II: PR: LAT 1120H or equivalent. Continuation of LAT 1120C. Spring.

LAT 1121H CAH-LANG  4(4,1)  
Honors Elementary Latin Language and Civilization II: PR: LAT 1120H or equivalent and permission of Honors. Continuation of LAT 1120H, with honors-level content. Occasional.

LDR 2001 UGST-INTERDISC  2(2,0)  
Foundations of Leadership: PR: Student enrolled in LEAD Scholars, Leadership Studies minor or certificate. Introductory study into the foundations of leadership, including leadership theories and related principles and practices. Fall.

LDR 2002 UGST-INTERDISC  2(2,0)  

LIN 3010 CAH-ENG  3(3,0)  

LIN 3716 HPA-COM SC&DIS  3(3,0)  
Language Development: Birth Through 8 Years: PR: DEP 2004. Study of the language acquisition process in children from birth through eight years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 3717 HPA-COM SC&DIS  3(3,0)  
Language Development: 9 - 18 Years: PR: LIN 3716. Study of the language acquisition process in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 4105 CAH-ENG  3(3,0)  
History of the English Language: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern. Fall, Spring.

LIN 4615 CAH-ENG  3(3,0)  
African-American Styles of Communication: PR: Grade of C (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinesics, proxemics, paralinguistics, and gender roles. Occasional.

LIN 4643H CAH-ENG  3(3,0)  
Honors Cross-Cultural Communication: PR: ENC 1102H and permission of Honors. Styles of spoken, written, and nonverbal communication of selected cultural groups with honors level content. Occasional.

LIN 4660 CAH-ENG  3(3,0)  
Linguistics and Literature I: PR: Grade of C (2.0) or better required in LIN 3010 or C.I. Language study as an aid to understanding literature. Occasional.

LIN 4680 CAH-ENG  3(3,0)  
Modern English Grammar: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. Spring.

LIN 4711 HPA-COM SC&DIS  3(3,0)  

LIN 4803 CAH-ENG  3(3,0)  
Language and Meaning: PR: Grade of C (2.0) or better required in ENC 1102 and sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. Occasional.

LIN 5137 CAH-ENG  3(3,0)  
Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675 CAH-ENG  3(3,0)  
English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2000 CAH-ENG  3(3,0)  
Introduction to Literary Interpretation: PR: ENC 1102. Interpretation of fiction, drama, verse, conflict, characterization, point of view, rhetorical and poetic devices, figurative language, verse forms; application of critical approaches to selected works. Occasional.

LIT 2110 CAH-ENG  3(3,0)  
World Literature I: PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.

LIT 2120 CAH-ENG  3(3,0)  
World Literature II: PR: ENC 1102. Readings from Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 2120H CAH-ENG  3(3,0)  
World Literature II — Honors: PR: Permission of Honors. Same as LIT 2120, with honors-level content. Occasional.

LIT 3082 CAH-ENG  3(3,0)  
Continental European Fiction Since 1900: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3192 CAH-ENG  3(3,0)  
Caribbean Literature: PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Occasional.

LIT 3192H CAH-ENG  3(3,0)  
Honors Caribbean Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Honors content. Occasional.

LIT 3202 CAH-ENG  3(3,0)  
Death and Dying: PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.

LIT 3313 CAH-ENG  3(3,0)  

LIT 3313H CAH-ENG  3(3,0)  
Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.

LIT 3381 CAH-ENG  3(3,0)  
Women Writers of Color: PR: ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.

LIT 3383 CAH-ENG  3(3,0)  
Women in Literature: PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3383H CAH-ENG  3(3,0)  
Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Honors content. Occasional.

LIT 3394 CAH-ENG  3(3,0)  
Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.

LIT 3394H CAH-ENG  3(3,0)  
Honors Literature of AIDS: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS. Essays, short stories, plays, poetry, diaries, and novels. Honors content. Occasional.

LIT 3482 CAH-ENG  3(3,0)  
Literature & Popular Culture: PR: ENC 1102 Analysis of media to determine popular values in the formation of popular cultural perceptions. Occasional.

LIT 3823 CAH-ENG  3(3,0)  
Hispanic Women Writers: PR: ENC 1102. Hispanic women writers in a variety of genres. May be repeated for credit. Occasional.

LIT 3905 CAH-ENG  3(3,0)  
Directed experience in Literature: PR: ENC 1102. C.I. Individualized topics of study and/or research in literature with personalized faculty direction. May be repeated for credit. Occasional.

LIT 3911H CAH-ENG  1(1,0)  
LIT 4043 CAH-ENG 3(3,0) Modern Drama As Literature: PR: Grade of C (2.0) or better required in ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.

LIT 4184 CAH-ENG 3(3,0) Irish Literature: PR: Grade of C (2.0) or better required in ENG 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. Occasional.

LIT 4233 CAH-ENG 3(3,0) Postcolonial Theory and Literature: PR: Grade of C (2.0) or better required in ENG 3014. Focus on the nature of colonial discourse, the strength of postcolonial rewritings, and the relationship of postcolonial theory to other theories. Occasional.

LIT 4244 CAH-ENG 3(3,0) World Authors: PR: ENG 3014. Study of the works of a single non-British and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 4303 CAH-ENG 3(3,0) Post-World War II Fiction: PR: Grade of C (2.0) or better required in ENG 3014. An investigation of various modes of reality in the works of significant modernist novelists and in the context of Irish history, politics, culture and colonial experience. Occasional.

LIT 4374 CAH-ENG 3(3,0) Literature of the Bible: PR: Grade of C (2.0) or better required in ENG 3014. Literary forms in the Bible—narrative, poetic, and dramatic—and their reflection in modern literature. Occasional.

LIT 4374H CAH-ENG 3(3,0) Honors Literature of the Bible: PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms in the Bible—narrative, poetic, and dramatic—and their reflection in modern literature. Honors content. Occasional.

LIT 4433 CAH-ENG 3(3,0) Literature of Science and Technology: PR: ENC 1102 and Junior Standing or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. Fall.

LIT 4554 CAH-ENG 3(3,0) Advanced Feminist Theories: PR: Grade of C (2.0) or better required in ENG 3014. An advanced exploration of feminist critical theories and practices. Occasional.

LIT 4937H CAH-ENG 3(3,0) English Honors Seminar: PR: ENG 3014 and permission of Honors. In-depth study of language and literature with an emphasis on creative and critical abilities. Occasional.

LIT 5028 CAH-ENG 3(3,0) Form and Theory of Short Story: PR: Graduate status or senior standing or C.I. Evolving forms and theories of short fiction and the implications of form and theory. Occasional.

LIT 5269 CAH-ENG 3(3,0) Nineteenth-Century Essays: PR: Graduate status or senior standing or C.I. Properties and graph of polynomials, rational, exponential, logarithmic, and piecewise defined functions; matrices, conic sections, sequences and series, binomial theorem, mathematical induction, and applications with additional honors content. The "NC" grading policy applies to this course. Fall, Spring.

LIT 5309 CAH-ENG 3(3,0) Popular Culture and Media: PR: Graduate status or senior standing or C.I. Study of contemporary media and the literature of popular culture. Occasional.

LIT 5366 CAH-ENG 3(3,0) The Romantic Revolt (19th Century Literature): PR: Graduate status or senior standing or C.I. The romantic revolt in poetry and prose; English, American and Continental literature from 1798 to 1832. Occasional.
MAC 3103H COS-MATH 3(3,0)

MAC 2104 COS-MATH 3(3,0)
*Foundations of Discrete Math:* PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic; methods of proof in mathematics; and application to elementary discrete structure. Fall, Spring.

MAC 4203 COS-MATH 3(3,0)
*Applied Combinatorics:* PR: MAC 2102, and either MHF 3302 or COT 3100C, or C.I. Counting principles; permutations and combinations; multisets; recurrence relations and generating functions; combinatorial designs; the Polya theory of counting. Fall.

MAC 4301 COS-MATH 3(3,0)
*Graph Theory:* PR: MAC 2131 and MHF 3302, or C.I. Graph theory; isomorphism, connectivity; traversability, matchings, factorizations, planarity, colorings, and Ramsey number. Spring.

MAC 5205 COS-MATH 3(3,0)
*Combinatorics and Graph Theory II:* PR: MAC 4203, graduate status or senior standing, or C.I. Polya’s theory of counting; Latin squares and rectangles; block designs; coding theory; probabilistic methods; hypergraphs; applications. Odd Spring.

MAE 2801 ED-TLP 4(3,1)
*Elementary School Mathematics:* PR: MAC 1105 or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAE 4300 ED-CFCS 3(3,0)
*Math Curriculum and Assessment in Early Childhood:* PR: EEC 4661, EEC 4207; CR: EEC 3940. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. Fall.

MAE 4326 ED-TLP 3(3,0)
*How Children Learn Mathematics:* PR: MAE 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. Fall, Spring.

MAE 4360 ED-TLP 4(3,2)
*Mathematics Instructional Analysis:* PR: EDG 4323. Study of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. Fall.

MAE 4634 ED-TLP 3(2,1)

MAE 5318 ED-TLP 3(3,0)
*Current Methods in Elementary School Mathematics:* PR: EDG 4323. Strategies of instruction of computation and concepts of number, geometry, and measurement; instructional materials. (Meets Elementary Education certification requirements). Fall, Spring.

MAE 5327 ED-TLP 3(3,0)
*Teaching Middle School Mathematics:* PR: EDG 4236 or C.I. Students will develop skills in planning and delivering mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESOL, and manipulatives is considered. Occasional.

MAE 5336 ED-TLP 3(3,0)
*Current Methods in Secondary School Mathematics:* PR: EDG 4233 or EDG 6236 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5935 COS-MATH 3(3,0)
*Post-Secondary Mathematics:* PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 2021 BA-MAN 3(3,0)
*Management:* PR: Junior standing. For non-business majors only. The interdisciplinary application of the managerial functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025 BA-MAN 4(4,0)
*Management of Organizations:* PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 4(4,0)
*Honors Management of Organizations:* PR: Junior standing and business major or minor, permission of Honors. ECO 2033, ECO 2023 and ACG 2011. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior, and control. Applicable to honors students. Occasional.

MAN 3301 BA-MAN 3(3,0)
*Management of Human Resources:* PR: Junior standing and approved major or minor; MAN 3025. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. Fall, Spring.

MAN 3302 BA-MAN 3(3,0)

MAN 3354 BA-MAN 3(3,0)
*Employee Training for Non-Business Majors:* PR: MAN 3025. Employee training needs and practices as performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. Occasional.

MAN 4029 BA-MAN 3(3,0)

MAN 4101 BA-MAN 3(3,0)
*Human Relations in Management:* PR: Management major, MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.

MAN 4240 BA-MAN 3(3,0)
*Organizations: Theory and Behavior:* PR: Management major, MAN 3025. A course providing a micromacro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. Fall, Spring.

MAN 4310 BA-MAN 3(3,0)
*Human Resource Management Issues:* PR: Management major, Junior standing, MAN 3301. An application-oriented course to give students in the area experiences generally reserved for practitioners in the field of human resource management and labor relations. Odd Spring.

MAN 4320 BA-MAN 3(3,0)
*Human Resources Recruitment and Selection:* PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4330 BA-MAN 3(3,0)
*Compensation Administration:* PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations. Fall, Odd Spring.

MAN 4350 BA-MAN 3(3,0)
*Training and Development:* PR: Management major, MAN 3301. This course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4401 BA-MAN 3(3,0)
*Labor Relations Management:* PR: Management major, Junior standing, MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to achieve labor-management cooperation. Occasional.

MAN 4441 BA-MAN 3(3,0)
*Conflict Resolution and Negotiation:* PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. Occasional.

MAN 4521 BA-MAN 3(3,0)
*Production Planning and Control:* PR: Management major, ISM 3530. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4600 BA-MAN 3(3,0)
*International Management:* PR: Approved major or minor, MAN 2025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(3,0)
*Business Ethics and Society:* PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today’s complex political, social, economic and technological environment. Fall, Spring.

MAN 4720 BA-MAN 4(4,0)
*Strategic Management:* PR: MAN 3025, MAR 3023, FIN 3403C and GEB 3011. 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 BA-MAN 4(4,0)

MAN 4802 BA-MAN 3(3,0)
*Entrepreneurship:* PR: GEB 3012 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.
MAP 4153  COS-MATH  3(3,0)  
Vector and Tensor Analysis: PR: MAC 2313 or C.I. 
Vector calculus. The theorems of Green, Gauss and Stokes. 
Introduction to tensors. Application in engineering and 
physical sciences. Fall.

MAP 4171  COS-MATH  3(3,0)  
Optimization for Actuarial Science: PR: MAC 2232 and 
STA 2023. Linear and dynamic programming, project 
scheduling, integer programming, theory of queues and 
stochastic simulation. Occasional.

MAP 4207  COS-MATH  3(3,0)  
Applications of Complex Variables [Advanced Engineering 
Mathematics Series]: PR: MAP 2302. Analytic func-
tions and complex integration. Residue integration, Taylor 
and Laurent series, conformal mapping and the application 
of complex analysis to Potential Theory. Spring.

MAP 4363  COS-MATH  3(3,0)  
Applied Boundary Value Problems I: PR: MAP 2302 or 
C.I. Systems of linear equations. Fourier series. The eigen-
value problem of Sturm-Liouville. The method of Green's 
fundamentals. Fall.

MAP 4364  COS-MATH  3(3,0)  
Applied Boundary Value Problems II: PR: MAP 4363 or 
C.I. Legendre polynomials and Bessel functions. The theory 
of Sturm-Liouville. Separation of variables. Applications 
with the wave equation, heat equation and equation of 
Laplacian. Spring.

MAP 4371  COS-MATH  3(3,0)  
Numerical Methods for Differential Equations: PR: MAC 
2313, MAS 3105 or C.I. Numerical theory and practices 
used in solving ordinary differential equations and PDE. 
Covers Euler's method, trapezoidal, multi-step meth-
ods, Runge-Kutta, error control, finite differences, implicit 
and explicit schemes, iterative methods, and stability. 
Occasional.

MAP 4384  COS-MATH  3(3,0)  
Numerical Methods for Computational Sciences: PR: MAP 
2302 and MAS 3105 or C.I. Theory of modern methods 
of numerical computation and numerical analysis in 
linear algebra and differential equations; non-linear 
optimization, finite element methods, adaptive quadrature. 
Occasional.

MAP 5016  COS-MATH  3(3,0)  
Introduction to Quantitative Aspects of Modeling and 
Simulation: PR: MAC 2235, 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 5017  COS-MATH  3(3,0)  
Mathematical Modeling: PR: STA 4321, MAP 3463, 
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 5036  COS-MATH  3(3,0)  
Ordinary Differential Equations and Applications: PR: MAC 
2302, and graduate status or senior standing or C.I. Existence 
and uniqueness of solutions of differential equa-
tions, systems of ordinary differential equations, autono-
mous systems, phase plane analysis, stability, bifurcations. 
Spring.

MAP 5038  COS-MATH  3(3,0)  
Splines and Data Fitting: PR: MAS 3106, MAS 3105, 
MAS 3202, and graduate status or senior standing or C.I. 
Univariate splines and their applications to data fitting. 
Applications to regression analysis, differential and integral 
equations, and algorithms to use different types of splines 
in computation. Occasional.

MAP 5404  COS-MATH  3(3,0)  
Mathematical Foundations for Industrial Engineering 
and Operations: PR: MAP 2302, ESI 5219 or equiva-
 lent, ESI 4312, and graduate status or senior standing 
or C.I. Methods of proof, set theory, basic elements of 
topology, real analysis, graph theory, and matrix analysis. 
Occasional.

MAP 5426  COS-MATH  3(3,0)  
Special Functions: PR: MAP 2302, and graduate status or 
Senior standing or C.I. Series and integral representations, 
generating functions, recurrence relations and orthogonality 
properties of the special functions. Emphasis on Bessel, 
Legendre and hypergeometric functions. Occasional.

MAP 5435  COS-MATH  3(3,0)  
Advanced Mathematics for Engineers: PR: MAP 2302, 
and graduate status or senior standing or C.I. Linear 
Algebra and matrix methods, ordinary differential equa-
tions, Fourier series, partial differential equations, numerical 
methods for differential equations, and applications to 
engineering. Occasional.

MAP 5514  COS-MATH  3(3,0)  
Linear and Nonlinear Waves I: PR: MAP 2302, MAP 3463, 
and graduate status or senior standing, or C.I. Equations of 
motion in inviscous and viscous fluids, energy equation and energy 
flux, linear theory and calcium-gravity waves, variational principles for water waves. Occasional.

MAP 5931  COS-MATH  1(1,0)  
Research Seminar: PR: Graduate status or senior stand-
ing or C.I. Four instructors will introduce the students to a 
research area by presenting current background and present-
cing current investigations. Different branches of mathematics 
will be presented for a sense of diversity. Occasional.

MAR 3023  BA-MAR  4(0,4)  
Marketing: PR: Admission to UCF. Study of functions, insti-
tutions, and basic problems in marketing of goods and ser-
vices in our domestic economy and abroad. Fall, Spring.

MAR 3023H  BA-MAR  4(0,4)  
Marketing Honors: PR: Permission of Honors College. 
Honors introductory course in marketing. Topics include 
customer orientation, segmentation, positioning, strategic 
marketing management, implementation, and control. Fall.

MAR 3323  BA-MAR  3(3,0)  
Integrated Marketing Communication: PR: MAR 3023 
with a grade of C (2.0) or better and Common Program 
Prerequisites and appropriate Major or Minor. Written and verbal communica-
tions skills applied to marketing settings. A significant 
portion of the course is devoted to the study of professional 
selling. Spring.
MAR 3613 BA-MAR 3(3,0)  Marketing Analysis and Research: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor and one of the following: STA 3023 with a grade of C (2.0) or better or ECO 3413 with a grade of C (2.0) or better. Analytical tools and their application to marketing problems and decision making. Forecasting, financial analysis, and acquisition of primary data through market research are emphasized. Fall, Spring.

MAR 3641 BA-MAR 3(3,0)  Marketing Intelligence: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Contemporary sources and applications of information concerning external forces impacting market decision making. Fall, Spring.

MAR 3721 BA-MAR 3(3,0)  E-Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Course provides an in-depth study of the role of the internet in developing marketing strategies and plans. Occasional.

MAR 4156 BA-MAR 3(3,0)  International Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Investigates strategy, policy and the variables in international marketing decisions. Fall, Spring.

MAR 4231 BA-MAR 3(3,0)  Retailing Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc. Occasional.

MAR 4413c BA-MAR 3(2,3)  Strategic Issues in Sales-Lecture: PR: MAR 3023, MAR 4415, common program prerequisites, approved major or minor, and department consent. Advanced study of selected contemporary strategic issues in selling and sales management. Spring.

MAR 4415c BA-MAR 3(2,3)  Advanced Professional Selling: PR: MAR 3023 and common program prerequisites and appropriate Major and Minor and MAR 3391 and Department Consent. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. Fall.

MAR 4711 BA-MAR 3(3,0)  Sport Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to the sports and leisure industry. Occasional.

MAR 4712 BA-MAR 3(3,0)  Healthcare Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.

MAR 4715 BA-MAR 3(3,0)  Entertainment Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Application of marketing theory and tools to the marketing of products and services in the entertainment industry. Occasional.

MAR 4724 BA-MAR 3(3,0)  Strategic Foundations in Global E-Business: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Course examines the forces shaping managerial decision-making in a rapidly changing electronic global marketplace. Emphasis on product-market entry strategies, standardization/adaptation, and organizing for efficient international marketing operations. Occasional.

MAR 4803 BA-MAR 3(3,0)  Marketing Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAR 3503 with a grade of C (2.0) or better and MAR 3613 with a grade of C (2.0) or better. Planning, organizing, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.

MAR 4804 BA-MAR 3(3,0)  Marketing Strategy: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAR 4803 with a grade of C (2.0) or better. Marketing problems are explored, with emphasis on strategy formulation and integrative marketing decision-making. Fall, Spring.

MAR 4811 BA-MAR 3(3,0)  Services Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Examination of marketing in service industries, with particular emphasis on unique aspects of services marketing, the service marketing mix, and the implementation of services strategies. Fall, Spring.

MAR 4934 BA-MAR 3(3,0)  Contemporary Marketing Topics in Florida: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAR 4803 with a grade of C (2.0) or better. Advanced study of marketing topics relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, tourism, hospitality, sports, gaming, etc. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.

MAR 4941 BA-MAR 3(3,0)  Marketing Internship: PR: Marketing major, application approval, consent of department chair. Provides student with supervised, market-related work experience in a sponsoring organization. Application required. Fall, Spring.

MAS 3105 COS-MATH 3(3,0)  Matrix and Linear Algebra: PR: MAT 2312 or C.I. Matrices, determinants, vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Form, matrix functions, quadratic forms. Fall, Spring.

MAS 3106 COS-MATH 4(4,0)  Linear Algebra: PR: MATH 3302, MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, innerproducts, the spectral theorem, Jordan Canonical Form. (Offered spring semester). Spring.

MAS 3203 COS-MATH 3(3,0)  Introduction to Number Theory: PR: MATH 3302 or C.I. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congruences. Spring.

MAS 4301 COS-MATH 3(3,0)  Abstract Algebra I: PR: MATH 3302 and MAS 3106, or C.I. Sets and mappings, groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorems, group actions, the class equation, Sylow theorems, and rings. Fall.

MAS 4402 COS-MATH 3(3,0)  Abstract Algebra II: PR: MATH 4301 or C.I. Advanced topics in abstract algebra, including ring theory and field theory, introduction to Galois theory. Spring.

MAS 4934 COS-MATH 3(3,0)  Topics in Algebra and Discrete Mathematics: PR: MAS 3106, MAS 4601, and MAD 4203 or MAD 4501, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAS 5145 COS-MATH 3(3,0)  Advanced Linear Algebra and Matrix Theory: PR: MAS 3105, and graduate status or senior standing or C.I. LU and LDU decompositions, linear spaces, inner product spaces, systems of linear equations, eigenvalues and canonical forms, variational principles and applications. Occasional.

MAS 5311 COS-MATH 3(3,0)  Abstract Algebra with Applications: PR: MATH 4301 or undergraduate abstract algebra, and graduate status or senior standing or C.I. Group actions, the class equation, Sylow Theorems, polynomial rings, Euclidian domains, principal ideal domains, field extensions, modules, and semi-simple rings. Fall.

MAT 5711 COS-MATH 3(3,0)  Scientific Computing: PR: MATH 2313, MAP 2302, graduate status or senior standing, or C.I. Basic programming skills using Mathematica, Maple, Matlab, or Java in solving basic scientific computing problems; preparing students for advanced computational methods and algorithms. Fall.


MCB 2004c COM-M&M 4(3,2)  Microbiology for Health Professionals: PR: BSC 2010c, CHM 1032 or CHM 2045c. A survey of microbiology for the health professional. Spring. M&S fee: $45.00

MCB 3020c COM-M&M 5(3,4)  General Microbiology: PR: BSC 2010c, CHM 2046, or CR: CHM 2210. Fundamentals of microbiology, evaluating microbial structure and function, metabolism, growth, genetics, virology, environmental control, ecology, pathogenicity, and laboratory techniques. Fall, Spring. M&S fee: $45.00

MCB 3020h COM-M&M 5(3,5)  General Microbiology Honors: PR: BSC 2010c, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCB 3020c with enrichment and further development of analytical skills in a separate laboratory and discussion section. With Honors consent. Fall.

MCB 3202 COM-M&M 3(3,0)  Principles of Infectious Disease: PR: MCB 2003c. Introduction to host-pathogen interactions and microbial pathogenesis, with topics covering eukaryotic pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunity, vaccines, and antimicrobials, and virulence mechanisms. Occasional.

MCB 3203 COM-M&M 3(3,0)  Pathogenic Microbiology: PR: MCB 3020c or C.I. Microorganisms producing disease in man and other animals; means of transmission; protection against disease. Spring.

MCB 3203l COM-M&M 10(3)  Pathogenic Microbiology: CR: MCB 3203. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee: $45.00
UCF Courses and Descriptions

MCB 3404 COM-M&M 3(3,0) Bacterial Genetics and Physiology: PR: MCB 3020C. Basic principles of microbial genetic analysis and emphasis on how microbial genetic approaches are used to understand fundamental, physiological processes in bacteria. Fall.


MCB 4203 COM-M&M 3(3,0) Infectious Processes: PR: MCB 3020C. The infectious process and the response of host cells to tissue infection. Fall.

MCB 4204 COM-M&M 3(3,0) Cellular Microbiology-Host Pathogen Interactions: PR: MCB 3020C, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MCB 4276 COM-M&M 3(3,0) Epidemiology of Infectious Diseases: PR: MCB 3020C. Study of descriptive and analytic epidemiology and its application to the analysis of infectious diseases and in the community health status. Spring.

MCB 4312 COM-M&M 3(3,0) Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. Fall.

MCB 4414 COM-M&M 3(3,0) 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.


MCB 4603 COM-M&M 3(3,0) Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

MCB 4720 COM-M&M 3(3,0) Industrial Perspectives Seminar: PR: Biotechnology major and CR: MCB 3020C. Concepts and techniques of basic research and drug development. Speakers from the biotechnology/pharmaceutical industry will show applications. Fall.


MCB 5205 COM-M&M 3(3,0) Infectious Processes: PR: MCB 3020C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.

MCB 5208 COM-M&M 3(3,0) Cellular Microbiology: Host-Pathogen Interactions: PR: Graduate standing, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.


MCB 5505 COM-M&M 3(3,0) Molecular Virology: PR: Graduate standing or C.I. An in-depth overview of the fundamental aspects and current concerns in modern virology including HIV, tumor viruses, Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

MCB 5527 COM-M&M 3(3,0) Genetic Engineering and Biotechnology: PR: PCB 3522 and PCB 4524 or C.I. Principles of Genetic Engineering/ Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems, Plans, including human gene therapy, novel pharmaceuticals, recombinant proteins will be discussed indepth. Fall.

MCB 5654 COM-M&M 3(3,0) Applied Microbiology: PR: MCB 3020C or C.I. Microbial biochemistry of industrial processes including; economics, screening, scale up, quality control and applied genetics. Occasional.

MCB 5722C COM-M&M 4(2,4) Methods in Biotechnology: PR: Graduate standing. A laboratory course that will train graduate students in fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional.

MCB 5932 COM-M&M Variable Current Topics in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

MET 2104 COS-PHYS 3(3,0) The Earth's Climate: History, physics and dynamics of the Earth's climate. Odd Spring.


MGH 3320 COS-MATH 3(3,0) Logic and Proof in Mathematics: PR: MAC 2311 or MAC 2312. Basic mathematical logic. Methods of proof in mathematics. Application of proofs to elementary mathematical structures. Fall, Spring.

MGH 4404 COS-MATH 3(3,0) History of Mathematics: PR: MAC 2312 or C.I. A chronological study of the evolution of mathematical thought from primitive counting through modern ideas of the 20th century. Recommended for prospective teachers in mathematics. Fall.

MHS 3305 COM-M&M 3(3,0) Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow. Spring.

MHS 3305L COM-M&M 1(0,6) Hematology Lab: PR: MLS 3305. Practical laboratory procedures routinely performed for analyzing hemotologic abnormalities. Spring.

MHS 3705 COM-M&M 3(3,0) Concepts in Education/Management: PR: Admission to professional phase of the MLS Program or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. Spring.

MHS 4334 COM-M&M 3(3,0) Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of disease and the relationship of lab tests to diagnosis. Occasional.

MHS 4420C COM-M&M 1(1,2) Clinical Mycology: PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. Optional. M&S fee: $15.00

MHS 4430C COM-M&M 2(1,3) Clinical Parasitology: PR: MCB 3020C, CHM 2210, PCB 3703C 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

MHS 4460C COM-M&M 5(3,6) Clinical Pathogenic Microbiology: PR: Admission to the professional phase of the MLS program. Analysis of clinical pathogenic bacteria, fungi and viruses and their correlation to disease. Spring. M&S fee: $45.00


MHS 4550 COM-M&M 4(2,6) Clinical Immunohematology: PR: Admission to the professional phase of the MLS program or C.I. Investigation of incompatible crossmatches; antibody identification, leukocyte antigens and identification procedures; problem solving. Spring. M&S fee: $45.00
MLS 4625 COM-M&M  3(3,0)  Advanced Clinical Chemistry I: PR: CHM 2210, PCB 3703C or C.I. Correlation of lab test to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. Fall.

MLS 4625L COM-M&M  1(0,3)  Advanced Clinical Chem Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee: $45.00.

MLS 4630 COM-M&M  3(3,0)  Advanced Clinical Chemistry II: PR: CHM 2210, PCB 3703C or C.I. Correlation of laboratory tests to specific human disease states. Spring.


MLS 4830C COM-M&M  4(4,8)  Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program, MLS 4625, MLS 4630. Clinical interpretation and practice in the clinical chemistry laboratory. Case studies, chemist review, hands on practice both in the student lab and affiliate. Fall. M&S fee: $15.00.

MLS 4831C COM-M&M  4(4,8)  Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4550, MLS 4505C. Advanced study of principles of immunohematology. Application and performance of technique to solve problems in blood banking will be included. Fall. M&S fee: $15.00.

MLS 4832C COM-M&M  4(4,8)  Interpretive & Practical Hematology: PR: Admission to the the MLS program, MLS 4625, MLS 4630. Advanced study of hematology and pathophysiological correlation to hematology disorders. Correlation of case studies and clinical practice in both student labs and clinical affiliates. Fall. M&S fee: $15.00.

MLS 4833C COM-M&M  4(4,8)  Diagnostic Microbiology: PR: Admission to the MLS program, MLS 4640C. Practical application of modern bacterial procedures with clinical specimens to include mycology & virology and appropriate quality control. Clinical practice in both student lab and affiliate. Fall. M&S fee: $15.00.

MLS 4834C COM-M&M  4(4,8)  Advanced Instrumentation: PR: Admission to the MLS program, MLS 4630. An examination review & practice of techniques to prepare the clinical laboratory to include flow cytometry, PCR, LIS, robotics. Case studies will be a fundamental part of this course. Occasional.

MLS 4910 COM-M&M  1(1,0)  Introduction to Clinical Research: PR: MLS 3202C, MLS 4625, MLS 4550. Introduces MLS students to different types of research within the clinical setting. Spring.


MMC 2004 COS-COMM  3(3,0)  Mass Media: Introduction to the nation’s mass media, including newspapers, radio, television, magazines, advertising, and public relations. Fall. Spring.

MMC 3200 COS-COMM  3(3,0)  Mass Communication Law: PR: AMH 2010 or AMH 2020 or POS 2041. Legal rights and responsibilities of the mass media. Fall. Spring.

MMC 3420 COS-COMM  3(3,0)  Mass Media Research Methods: PR: Communication major. Theory and methods of research used by media professionals and academics, focusing on radio / TV and advertising / public relations research. Fall, Spring.

MMC 4263 COS-COMM  3(3,0)  New Media Technologies: PR: Majors only, RTV 2200. An examination of the technologies impacting the communications media environment and society. Occasional.

MMC 4300 COS-COMM  3(3,0)  International Media: PR: Junior standing or C.I. The student will analyze different communication systems from around the world. There will be at least six case studies from any of these areas - Asia, Latin American, Western Europe, Middle East, Africa. Occasional.

MMC 4411 COS-COMM  3(3,0)  ADPR campaigns: PR: ADPR majors only and ADV 3008, PUR 4000, PUR 3100 or ADV 4101, PUR 4941 or ADV 4941. Planning and managing communication campaigns that integrate both advertising and public relations strategies. Capstone. Even Fall, Odd Spring.

MMC 4602 COS-COMM  3(3,0)  Contemporary Media Issues: PR: A minimum grade of "C" (2.0) in JOU 2100C. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of the media's relationship with government. Even Spring.

MSL 1001C ECS-AROT  2(1,1)  Foundations of Officering: Examines the unique duties and responsibilities of officers, organization and role of the Army, reviews skills pertaining to fitness and communication, and analyzes Army values and expected behavior. May be repeated for credit. Fall.

MSL 1002C ECS-AROT  2(1,1)  Basic Leadership: Presents fundamental leadership concepts and doctrine; practice basic skills that underlie effective problem solving; examine the officer experience. Spring.

MSL 2101C ECS-AROT  2(1,1)  Individual Leadership Studies: Develops knowledge of self, self-confidence, and leadership skills; develop problem solving and critical thinking skills; apply communication, feedback, and conflict resolution skills. Fall.

MSL 2102C ECS-AROT  2(1,1)  Leadership and Teamwork: Focuses on self-development guided by knowledge of self and group processes; challenges current beliefs, knowledge and skills. Spring.

MSL 3201C ECS-AROT  4(3,1)  Leadership and Problem Solving: PR: Junior standing. Examines skills that underlie effective problem solving; analyzes military missions and plan military operations; and executes squad battle drills. Fall.

MSL 3202C ECS-AROT  4(3,1)  Leadership and Ethics: PR: MSL 3201C. Examines leader responsibilities that foster an ethical command climate; develops cadet leadership competencies; applies principles and techniques of effective written and oral communication. Spring.

MSL 4301C ECS-AROT  4(3,1)  Leadership and Management: PR: MSL 3202C. Discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, apply leadership and problem solving principles to a complex case study/simulation. Fall.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUE 2400</td>
<td>CAH-MUSIC</td>
<td>4009-2010 Undergraduate Catalog</td>
<td>2(0)</td>
</tr>
<tr>
<td>MUE 2211</td>
<td>ED-CFCS</td>
<td>Early Childhood Music and Movement: An examination of the role of music and creative movement in the lives of young children. Occasional.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MUE 2346</td>
<td>CAH-MUSIC</td>
<td>Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. Odd Spring.</td>
<td>1(0,2)</td>
</tr>
<tr>
<td>MUE 2440</td>
<td>CAH-MUSIC</td>
<td>String Techniques: PR: MUE major, junior standing or C.I. Class instruction in string playing and pedagogical techniques. Spring. M&amp;S fee: $30.00</td>
<td>1(0,2)</td>
</tr>
<tr>
<td>MUE 2450</td>
<td>CAH-MUSIC</td>
<td>Woodwind Techniques I: PR: MUE major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. Fall.</td>
<td>1(1,0)</td>
</tr>
<tr>
<td>MUE 2460</td>
<td>CAH-MUSIC</td>
<td>Brass Techniques: PR: MUE major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.</td>
<td>1(0,2)</td>
</tr>
<tr>
<td>MUE 2470</td>
<td>CAH-MUSIC</td>
<td>Percussion Techniques: PR: MUE major, junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring.</td>
<td>1(0,2)</td>
</tr>
<tr>
<td>MUE 2333</td>
<td>CAH-MUSIC</td>
<td>Music Learning Theory and Assessment: PR: MUE 2040. Learning theory and practical applications of assessment techniques as applied in the music classroom. Odd Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MUE 3353</td>
<td>CAH-MUSIC</td>
<td>General Music Literature and Techniques: PR: MUE 2040. Diverse literature and techniques for the general music classroom. Odd Spring.</td>
<td>2(0)</td>
</tr>
<tr>
<td>MUE 3451</td>
<td>CAH-MUSIC</td>
<td>Woodwind Techniques II: PR: MUE 2450, MUED major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.</td>
<td>1(0,2)</td>
</tr>
<tr>
<td>MUE 3461</td>
<td>CAH-MUSIC</td>
<td>Brass Techniques II: PR: MUE 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. Odd Spring.</td>
<td>1(1,1)</td>
</tr>
<tr>
<td>MUE 3490</td>
<td>CAH-MUSIC</td>
<td>Aural Skills Techniques: PR: MUT 2117. Teaching techniques for teaching aural training, sight singing, harmony, beginning vocal hamorization and improvisation. Odd Spring.</td>
<td>1(1,0)</td>
</tr>
<tr>
<td>MUE 3693</td>
<td>CAH-MUSIC</td>
<td>Technology in Music Education: PR: MUE 2040 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring.</td>
<td>2(2,0)</td>
</tr>
<tr>
<td>MUE 3942</td>
<td>CAH-MUSIC</td>
<td>Music Internship I: PR: MUE 3411, MUE 3412, EDG 4410, TSL 4080, EDF 4063 and RED 4043. Students experience various roles of a music teacher in elementary and secondary settings, including observation, micro-teaching, and the completion of various assignments. Graded S/U. Fall, Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MUE 4311</td>
<td>CAH-MUSIC</td>
<td>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.</td>
<td>2(0,2)</td>
</tr>
<tr>
<td>MUE 4330</td>
<td>ED-TLP</td>
<td>Secondary School Music Methods: PR: MUE 4311 or C.I. Instructional planning, techniques and materials in middle school, junior high and senior high classrooms; consideration of general music education program, evaluation materials and procedures. Spring.</td>
<td>2-3(2-3,0)</td>
</tr>
<tr>
<td>MUE 4331</td>
<td>CAH-MUSIC</td>
<td>Secondary Choral Methods I: PR: MUE 4040. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MUE 4332</td>
<td>CAH-MUSIC</td>
<td>Secondary Instructional Methods I: PR: MUE 4040. Wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. Odd Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MUE 4335</td>
<td>CAH-MUSIC</td>
<td>Secondary Choral Methods II: PR: MUE 4331L. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MUE 4337</td>
<td>CAH-MUSIC</td>
<td>Secondary Instructional Methods II: PR: MUE 4332. Wind and percussion teaching methods for high school students in a large classroom setting. Odd Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MUE 4350</td>
<td>ED-TLP</td>
<td>General Music Pre-K through Grade 8: PR: Consent of instructor. Designed for music educators. Exploration of music materials and teaching strategies for enhancing students’ learning through music. Experience with recorder, movement, choral, conducting, and curriculum infusion included. Implementation project available. Graded S/U. May be repeated for credit. Occasional.</td>
<td>2-3(2-3,0)</td>
</tr>
<tr>
<td>MUE 4354</td>
<td>ED-TLP</td>
<td>General Music: ORFF Level I: PR: Junior Standing or C.I. ORFF SCHULWERK methods of music education for pre-K - grade 8. Development of personal and pedagogical skills in singing, moving, playing Orff instruments, recorder and compositions. Occasional.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MUE 4393</td>
<td>CAH-MUSIC</td>
<td>Music and Students with Special Needs: PR: MUE 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.</td>
<td>2(0,2)</td>
</tr>
<tr>
<td>MUE 4394</td>
<td>CAH-MUSIC</td>
<td>Seminar in Music Teaching: PR: Internship I; CR: ESE 4943. Content and strategies for classroom management and exceptional education for music teachers. Odd Spring.</td>
<td>1(1,0)</td>
</tr>
<tr>
<td>MUE 4441</td>
<td>CAH-MUSIC</td>
<td>String Methods: PR: MUE 4332. String teaching methods for high school students in a large classroom setting. Odd Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MUE 4480C</td>
<td>CAH-MUSIC</td>
<td>Marching Band Techniques: PR: MUT 1122 and C.I. Principles of organizing and training marching bands: Planning, charting football shows, rehearsal problems. Graded S/U. May be repeated for credit. Fall.</td>
<td>1(1,1)</td>
</tr>
<tr>
<td>MUE 4481</td>
<td>CAH-MUSIC</td>
<td>Jazz Pedagogy: PR: Music major, MUT 1122 and C.I. Methods, materials, and resources for teaching jazz ensembles and improvisation at the secondary school level. Occasional.</td>
<td>1(1,0)</td>
</tr>
<tr>
<td>MUE 4943</td>
<td>CAH-MUSIC</td>
<td>Music Internship II: PR: MUE 3942. Student Teaching in an elementary or secondary school under supervision of a certified classroom teacher. Graded S/U. Fall, Spring.</td>
<td>12(12,0)</td>
</tr>
<tr>
<td>MUE 5348C</td>
<td>CAH-MUSIC</td>
<td>K-12 Music Methods: PR: Graduate standing in Music Education or C.I. Organization and administration of instruction for comprehensive music education, K-12. Instructional planning, techniques, and materials for general, choral, and instrumental music education. Spring.</td>
<td>4(4,0)</td>
</tr>
<tr>
<td>MUG 3104</td>
<td>CAH-MUSIC</td>
<td>Basic Conducting: PR: MUT 1122 or C.I. Fundamental techniques and practice in conducting. Fall.</td>
<td>2(1,1)</td>
</tr>
<tr>
<td>MUG 3202</td>
<td>CAH-MUSIC</td>
<td>Variable Choral Conducting and Materials: PR: MUG 3104. Fundamental principles of choral conducting and rehearsal techniques including an examination of materials. Even Spring.</td>
<td>2(0,0)</td>
</tr>
<tr>
<td>MUG 3302</td>
<td>CAH-MUSIC</td>
<td>Variable Instrumental Conducting and Materials: PR: MUG 3104. Fundamental principles of instrumental conducting and rehearsal techniques including an examination of materials. Spring.</td>
<td>2(0,0)</td>
</tr>
<tr>
<td>MUG 4103C</td>
<td>CAH-MUSIC</td>
<td>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.</td>
<td>2(1,1)</td>
</tr>
<tr>
<td>MUH 2071C</td>
<td>CAH-MUSIC</td>
<td>World Music Survey and Performance Laboratory: PR: MUT 1122 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian. Occasional.</td>
<td>1(0,1)</td>
</tr>
<tr>
<td>MUH 3211</td>
<td>CAH-MUSIC</td>
<td>History of World Music: PR: MUE 1122. History of Western European art music from Antiquity to 1750. Fall.</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

MUH 3212 CAH-MUSIC 3(3,0)
Music History and Literature II: PR: MUL 1122. History of Western European and American art music from 1750 to present day. Spring.

MUH 4218 CAH-MUSIC 1(1,0)

MUH 4322 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 450-1600. Even Fall.

MUH 4341 CAH-MUSIC 3(3,0)

MUH 4351 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: MUH 3211 and MUH 3212 or C.I. Western art music since 1700-1830. Even Fall.

MUH 4361 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: MUH 3211 and MUH 3212 with grades of “C,” 2.0, or higher in each. Examination of Western European and American art music from the nineteenth century. Odd Fall.

MUH 4371 CAH-MUSIC 3(3,0)
Music Since 1900: PR: MUH 3211, MUH 3212, or C.I. Historical style periods and master artists in jazz music. Odd Spring.

MUH 5326 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 450-1600. Occasional.

MUH 5345 CAH-MUSIC 3(3,0)
Music of the Baroque: PR: Graduate standing in music or music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. Even Spring.

MUH 5356 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: Graduate standing in music or C.I. Western Art Music of the 18th Century. Odd Fall.

MUH 5365 CAH-MUSIC 3(3,0)
Music of the 18th Century: PR: Graduate standing in Music or C.I. Western Music of the 18th Century. Odd Fall.

MUH 5375 CAH-MUSIC 3(3,0)
Music Since 1900: PR: Graduate standing in Music Education or C.I. Music and culture of Western and American art Music from c. 1900 to the present. Occasional.

MUH 5816 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: Graduate standing or C.I. Advanced study of historical style periods and master artists in jazz music. Odd Fall.

MUL 2010 CAH-MUSIC 3(2,1)
Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.

MUL 2014 CAH-MUSIC 3(3,0)
Introduction to Music History and Literature: PR: Music major or C.I. Musical repertories and cultures from the Western art music tradition, American jazz, and non-western music. Odd Spring.

MUL 2016 CAH-MUSIC 3(3,0)
Evolution of Jazz: Survey of jazz literature and performance. Fall, Spring.

MUL 2720 CAH-MUSIC 3(3,0)

MUL 3381 CAH-MUSIC 3(3,0)
Contemporary Popular Music: PR: MUL 2010 or MUL 1122 or C.I. History and analysis of selected genres in recent popular music. Music reading not required. Spring.

MUL 3400 CAH-MUSIC 2(1,1)
Piano Literature I: PR: Major in Music or C.I. Survey of stringed keyboard literature from the 18th century to the present, with emphasis on technical, formal and performance problems. Odd Fall.

MUL 3401 CAH-MUSIC 2(1,1)

MUL 3463 CAH-MUSIC 2(2,0)

MUL 3600 CAH-MUSIC 3(3,0)
String Literature and Pedagogy: PR: MUL 2014 or C.I. Classical song repertoire in English and common foreign languages, and proven methods of effective song study. Odd Fall.

MUL 3603 CAH-MUSIC 1(1,1)

MUL 3604 CAH-MUSIC 1(1,1)
German Song Literature: PR: Music major or C.I. Survey of German song literature. Odd Spring.

MUL 3605 CAH-MUSIC 1(1,1)
French Song Literature: PR: Music major or C.I. Survey of French song literature. Odd Fall.

MUL 4437 CAH-MUSIC 3(3,0)
Guitar Literature and Pedagogy: PR: MVS 2426 or C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. Odd Fall.

MUL 4443 CAH-MUSIC 3(3,0)

MUL 4444 CAH-MUSIC 3(3,0)

MUL 5215 CAH-MUSIC 3(3,0)

MUL 5436 CAH-MUSIC 3(3,0)
Guitar Literature and Pedagogy: PR: Graduate standing in Music or C.I. A survey of significant repertoire and pedagogy for classical guitar. Odd Spring.

MUM 5806 CAH-MUSIC 3(3,0)
Performing Arts Management: PR: Graduate status or senior standing or C.I. Structure of nonprofit performing arts organization (PAOs), examining the fundamental elements of administration, audience development, marketing, and fund-raising. Spring.

MUN 2442 CAH-MUSIC 1(1,0)
Percussion/Mallet Ensemble: PR: C.I. Preparation and performance of music for percussion with mallets. May be repeated for credit. Fall. M&S fee: $30.00

MUN 3113 CAH-MUSIC 2(0,8)
Marching Band: PR: Admission by audition. Preparation for appearance at football games and special occasions. May be repeated for credit. Fall. M&S fee: $36.54

MUN 3123 CAH-MUSIC 1(0,3)
Concert Band: PR: Open to all students with audition. Study and performance of music for large ensembles. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3143 CAH-MUSIC 1(0,4)
Wind Ensemble: PR: Open to all students by audition. Study and performance of music for wind ensemble and band. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3263 CAH-MUSIC 1(0,5)
Symphony Orchestra: PR: Audition. Open to all students by audition. Rehearsal and performance of works from the symphonic repertoire. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3331 CAH-MUSIC 1(3,0)
University Choir: PR: C.I. Open to all students by audition. Study and performance of large ensemble music. Possible tours. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3323 CAH-MUSIC 1(0,3)
Women's Chorus: PR: Audition and C.I. Study and performance of music for women's voices. Open to all students. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3343 CAH-MUSIC 1(0,3)
Madrigal Singers: PR: C.I. Open to all students by audition. Extra rehearsals and Madrigal Dinners required. Tours. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3423 CAH-MUSIC 1(0,2)
Woodwind Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3426 CAH-MUSIC 1(1,0)
Symphony Ensemble: PR: Students must pass an audition in front of the instructor. An in-depth study and performance of music written for an ensemble comprised of all saxophones. May be used in the degree program a maximum of 8 times. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUN 3443</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>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&amp;S fee: $35.00</td>
</tr>
<tr>
<td>MUN 3444</td>
<td>CAH-MUSIC</td>
<td>1(1,0)</td>
<td>Mallet Ensemble: PR: C.I. Preparation and performance of music for mallet ensemble. May be repeated for credit. Fall. Odd Spring. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>MUN 3453</td>
<td>CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Piano Ensemble: PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 3483</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>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&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 3487</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Guitar Ensemble: PR: Audition or C.I. Study and performance of music for multiple guitars. Odd Spring. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 3713</td>
<td>CAH-MUSIC</td>
<td>1(0,4)</td>
<td>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&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 3714</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>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&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 3723</td>
<td>CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Vocal-Jazz Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>MUN 3813</td>
<td>CAH-MUSIC</td>
<td>1(1,1)</td>
<td>Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 4476</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Early Music Ensemble: PR: C.I. Study and performance of pre-classical music. May be repeated for credit. Fall, Spring. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>MUN 5125</td>
<td>CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Concert Band: PR: Open to all graduate students by audition. Study and performance of music for large ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 5145</td>
<td>CAH-MUSIC</td>
<td>1(0,4)</td>
<td>Wind Ensemble: PR: Open to all graduate students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 5215</td>
<td>CAH-MUSIC</td>
<td>1(0,5)</td>
<td>Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. Odd Fall. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 5325</td>
<td>CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Women’s Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women’s voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 5368L</td>
<td>CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Graduate Madrigen Singers: PR: Graduate standing in Music Education and C.I. Study of varied literature for small vocal ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 5385L</td>
<td>CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Graduate University Chorus: PR: Graduate standing in Music Education and C.I. Study and performance of large ensemble music. May be used in the degree program a maximum of 5 times. Occasional. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 5445</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Percussion Ensemble: PR: Open to all graduate students by audition. Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>MUN 5465L</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Graduate Chamber Music: PR: Graduate standing in Music Education and C.I. The study and performance of vocal and/or instrumental chamber ensemble literature. Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. Occasional. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 5478L</td>
<td>CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Early Music Ensemble: PR: Graduate standing in Music Education and C.I. Graduate ensemble experience with instruments and repertoire of the Medieval, Renaissance, and Baroque periods. May be used in the degree program a maximum of 5 times. Occasional. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>MUN 5715L</td>
<td>CAH-MUSIC</td>
<td>1(0,4)</td>
<td>Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 5716L</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td>Jazz Chamber Group: PR: Audition, graduate standing or senior standing, and C.I. Study and performance of jazz small group music. May be used in the degree program a maximum of 4 times. Fall. Spring. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>MUN 3503</td>
<td>CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Opera Workshop: PR: Open to all students by audition. Integration of singing, acting, and movement in opera; explores basic stage movement, character preparation, and performance of opera arias. Fall.</td>
</tr>
<tr>
<td>MUS 5505L</td>
<td>CAH-MUSIC</td>
<td>1(0,3)</td>
<td>Graduate Opera Workshop: PR: C.I. and audition. Study, preparation, and performance of opera literature. May be used in the degree program a maximum of 3 times. Occasional. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>MUS 5510C</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Opera Skills: PR: Open to all students by audition. Study, preparation, and performance of opera literature. May be used in the degree program a maximum of 3 times. Occasional. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>MUS 5515</td>
<td>CAH-MUSIC</td>
<td>0(9,2)</td>
<td>Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MUS 2360C</td>
<td>CAH-MUSIC</td>
<td>3(2,2)</td>
<td>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&amp;S fee: $15.65</td>
</tr>
<tr>
<td>MUS 3254</td>
<td>CAH-MUSIC</td>
<td>2(2,0)</td>
<td>Italian and French Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the Italian and French languages. Odd Spring.</td>
</tr>
<tr>
<td>MUS 3255</td>
<td>CAH-MUSIC</td>
<td>2(2,0)</td>
<td>German and English Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.</td>
</tr>
<tr>
<td>MUS 3953</td>
<td>CAH-MUSIC</td>
<td>0(1,0)</td>
<td>Recital Performance I: PR: Junior Level Applied Music and C. I. Public recital of 30 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.</td>
</tr>
<tr>
<td>MUS 4320</td>
<td>CAH-MUSIC</td>
<td>3(3,0)</td>
<td>Music Business and Industry: PR: MUS 2300C or C.I. Today’s music industry copyright, publishing, contracts and licensing. Odd Spring.</td>
</tr>
<tr>
<td>MUS 4900</td>
<td>CAH-MUSIC</td>
<td>3(3,0)</td>
<td>Music BA Capstone Project: PR: C.I. Self-designed project, completed under faculty supervision, that demonstrates ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded S/U. Occasional.</td>
</tr>
<tr>
<td>MUS 4905</td>
<td>CAH-MUSIC</td>
<td>1-4(1-4)</td>
<td>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.</td>
</tr>
<tr>
<td>MUS 4954</td>
<td>CAH-MUSIC</td>
<td>0(1,0)</td>
<td>Recital Performance II: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.</td>
</tr>
<tr>
<td>MUS 5365</td>
<td>CAH-MUSIC</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>MUS 5677</td>
<td>CAH-MUSIC</td>
<td>3(3,0)</td>
<td>Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. Occasional.</td>
</tr>
<tr>
<td>MUT 1004</td>
<td>CAH-MUSIC</td>
<td>3(3,0)</td>
<td>Fundamentals of Music I: Basic music theory and reading music at the keyboard. Fall.</td>
</tr>
<tr>
<td>MUT 1121</td>
<td>CAH-MUSIC</td>
<td>4(2,3)</td>
<td>Music Theory and Musicianship I: PR: MUT 1004 or C.I. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.</td>
</tr>
<tr>
<td>MUT 1122</td>
<td>CAH-MUSIC</td>
<td>4(2,3)</td>
<td>Music Theory and Musicianship II: PR: MUT 1121 or C.I. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.</td>
</tr>
</tbody>
</table>
Music Theory and Musicianship II: PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Fall.

MUT 2127 CAH-MUSIC 4(2,3) Music Theory and Musicianship IV: PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 3170 CAH-MUSIC 3(3,0) Jazz Theory II: PR: MUT 2122 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUT 3171 CAH-MUSIC 3(3,0) Jazz Theory III: PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUT 3622 CAH-MUSIC 3(3,0) Analytical Approaches to Musical Rhythm: PR: MUT 2127 or equivalent or C.I. Contemporary, cognitive, hypermetric, and projective approaches to musical rhythm, rhythm in dance, performance, and non-Western music. Occasional.

MUT 3923 CAH-MUSIC 3(0,3) Jazz Workshop: PR: MUT 3271 or C.I. Jazz improvisation, repertoire, composition and arranging studied in a chamber group context. May be used in the degree program a maximum of 3 times. Odd Spring.

MUT 4031 CAH-MUSIC 1(1,0) Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.


MUT 4401 CAH-MUSIC 3(3,0) Counterpoint: PR: MUT 2127. Counterpoint in Western music from the 16th to the 20th Centuries. Even Spring.

MUT 4571 CAH-MUSIC 3(3,0) Analysis of Twentieth-Century Music: PR: MUT 2127 or equivalent. Techniques of analysis for various styles of twentieth-century music. Odd Fall.

MUT 5381 CAH-MUSIC 3(3,0) Arranging and Composing Music: PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. Even Fall.

MUT 5936 CAH-MUSIC 3(3,0) Music Theory Seminar: PR: Graduate standing in music education or C.I. One or more issues of importance in music theory with emphasis on recent scholarly literature and debates. May be used in the degree program a maximum of 4 times. Occasional.

MVB 1211 CAH-MUSIC 1(0,1) 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.

MVB 1212 CAH-MUSIC 1(0,1) Secondary French Horn: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in French horn. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1213 CAH-MUSIC 1(0,1) 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.

MVB 1214 CAH-MUSIC 1(0,1) 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.

MVB 1215 CAH-MUSIC 1(0,1) Secondary Tuba: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1411 CAH-MUSIC 2(1,1) Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1412 CAH-MUSIC 2(1,1) French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1413 CAH-MUSIC 2(1,1) Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1414 CAH-MUSIC 2(1,1) Baritone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1) Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Even Fall, Spring.

MVB 2421 CAH-MUSIC 2(1,1) Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC 2(1,1) French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC 2(1,1) Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.

MVB 2424 CAH-MUSIC 2(1,1) Baritone II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

MVB 2425 CAH-MUSIC 2(1,1) Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVB 3431 CAH-MUSIC 2(3,1) Trumpet III: PR: MVB 2421. Continued study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3432 CAH-MUSIC 2(3,1) French Horn III: PR: MVB 2422 and competence determined by faculty jury. Continuation of study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3433 CAH-MUSIC 2(3,1) Trombone III: PR: MVB 2423 and competence determined by faculty jury. Continuation of study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3434 CAH-MUSIC 2(3,1) Euphonium III: PR: MVB 2424 and competence determined by faculty jury. Continuation of study of performance skills of the euphonium, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3435 CAH-MUSIC 2(3,1) Tuba III: PR: MVB 2425 and competence determined by faculty jury. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4441 CAH-MUSIC 4(1,1) Trumpet IV: PR: MVB 3431. Intensive advanced performance study of the trumpet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4442 CAH-MUSIC 4(1,1) French Horn IV: PR: MVB 3432 and competence determined by faculty jury. Intensive advanced performance study of the French horn, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4443 CAH-MUSIC 4(1,1) Trombone IV: PR: MVB 3433 and competence determined by faculty jury. Intensive advanced performance study of the trombone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4444 CAH-MUSIC 4(1,1) Euphonium IV: PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the euphonium, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4445 CAH-MUSIC 4(1,1) Tuba IV: PR: MVB 3435 and competence determined by faculty jury. Intensive advanced performance study of the tuba, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 5451 CAH-MUSIC 2(1,0) Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5452 CAH-MUSIC 2(1,0) French Horn V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5453 CAH-MUSIC 2(1,0) Trombone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5454 CAH-MUSIC 2(1,0) Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5455 CAH-MUSIC 2(1,0) Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.
UCF Courses and Descriptions

MVJ 1010 CAH-MUSIC 2(1,1)
Jazz Piano I: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1213 CAH-MUSIC 2(1,1)
Jazz Guitar I: PR: Music major or C.I. Scales, arpeggios, chord voicings, and other techniques included in fundamentals of jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1214 CAH-MUSIC 2(1,1)
Jazz Bass I: PR: Music major or C.I. Basic Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1219 CAH-MUSIC 2(1,1)
Jazz Drum Set I: PR: Music major or C.I. Basic Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2220 CAH-MUSIC 2(1,1)
Jazz Piano II: PR: MVJ 1010. Continuation of MVJ 1010. Scale Studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2223 CAH-MUSIC 2(1,1)
Jazz Guitar II: PR: MVJ 1213. Continuation of MVJ 1213. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2224 CAH-MUSIC 2(1,1)
Jazz Bass II: PR: MVJ 1214. Continuation of MVJ 1214. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2229 CAH-MUSIC 2(1,1)
Jazz Drum Set II: PR: MVJ 1219. Continuation of MVJ 1219. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3230 CAH-MUSIC 3(1,1)
Jazz Piano III: PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3233 CAH-MUSIC 3(1,1)
Jazz Guitar III: PR: MVJ 2223. Continuation of MVJ 2223. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3234 CAH-MUSIC 3(1,1)
Jazz Bass III: PR: MVJ 2224. Continuation of MVJ 2224. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3339 CAH-MUSIC 3(1,1)
Jazz Drum Set III: PR: MVJ 2229. Continuation of MVJ 2229. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4240 CAH-MUSIC 4(1,1)
Jazz Piano IV: PR: MVJ 3230. Continuation of MVJ 3230. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4243 CAH-MUSIC 4(1,1)
Jazz Guitar IV: PR: MVJ 3233. Continuation of MVJ 3233. Scales, arpeggios, chord voicings, and other techniques included in advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4244 CAH-MUSIC 4(1,1)
Jazz Bass IV: PR: MVJ 3234. Continuation of MVJ 3234. Advanced Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4349 CAH-MUSIC 4(1,1)
Jazz Drum Set IV: PR: MVJ 3339. Continuation of MVJ 3339. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 5350C CAH-MUSIC 2(1,1)
Jazz Piano V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz piano literature, styles, and techniques. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVJ 5353C CAH-MUSIC 2(1,1)
Jazz Guitar V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz guitar literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVJ 5354C CAH-MUSIC 2(1,1)
Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVJ 5359C CAH-MUSIC 2(1,1)
Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring. M&S fee: $35.00

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 1112 CAH-MUSIC 1(0,2)
Class Piano II: PR: MVK 1111, Music major, or C.I. Continuation of MVK 1111. Music majors only; not open to music majors whose major performing medium is piano. Fall, Spring.

MVK 1211 CAH-MUSIC 1(0,1)

MVK 1411 CAH-MUSIC 2(1,1)
Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 1800 CAH-MUSIC 2(0,0)
Keyboard Class I: Keyboard training for non-Music students with no prior keyboard training. Fall, Spring.

MVK 1801 CAH-MUSIC 2(0,0)
Keyboard Class II: PR: MVK 1800. Continuation of Keyboard class I. Occasional.

MVK 2121 CAH-MUSIC 1(0,2)
Class Piano III: PR: MVK 1112, Music major or C.I. Continuation of MVK 1112. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2122 CAH-MUSIC 1(0,2)
Class Piano IV: PR: Music major, MVK 2121 or C.I. Continuation of MVK 2121. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2421 CAH-MUSIC 2(1,1)
Piano II: PR: MVK 3411 and competence determined by faculty jury. Continuation of MVK 3411. May be repeated for credit. Fall, Spring.

MVK 3431 CAH-MUSIC 2-3(1,1)
Piano III: PR: MVK 2421 and competence determined by faculty jury. Intensive advanced performance study of the piano, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVK 4441 CAH-MUSIC 4(1,1)
Piano IV: PR: MVK 3411 and competence determined by faculty jury. Intensive advanced performance study of the piano, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVK 4640 CAH-MUSIC 1(1,0)
Piano Pedagogy I: PR: C.I. Methods, materials for teaching individuals and classes of children and adults beginning to intermediate levels; demonstration and observation of procedures. May be repeated for credit. Odd Fall.

MVK 4641 CAH-MUSIC 1(1,0)
Piano Pedagogy II: PR: C.I. Continuation of MVK 4640. Emphasis on intermediate through advanced levels. May be repeated for credit. Odd Spring.

MVK 4960 CAH-MUSIC 0(1,0)
Piano Proficiency Exam: PR: C.I. Demonstration of piano skills in basic repertoire, sight-reading, harmonization and transposition. Required of Music majors. Graded ZU. May be used in the degree program a maximum of 2 times. Fall, Spring.

MVK 5451 CAH-MUSIC 2(1,0)
Piano V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVK 5453 CAH-MUSIC 2(1,0)
Organ V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Odd Fall, Spring.

MVK 5459 CAH-MUSIC 2(1,0)
Organ VI: PR: Graduate status or senior standing and C.I. May be repeated for credit. Even Fall, Spring.

MVO 1214 CAH-MUSIC 1(0,1)

MVO 5250 CAH-MUSIC 1(1,0)
Advanced Secondary Instruction: PR: Graduate status or senior standing, and C.I. Advanced instructional techniques on a secondary instrument or in voice. May be repeated for credit. Occasional.

MVP 1211 CAH-MUSIC 1(0,1)

MVP 1411 CAH-MUSIC 2(1,1)
Percussion I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVP 2421 CAH-MUSIC 2(1,1)
Percussion II: PR: MVP 1411 and competence determined by faculty jury. Continuation of MVP 1411. May be repeated for credit. Fall, Spring. M&S fee: $35.00
Fall, Spring.

Intended for non-music majors. May be repeated for credit. Performing ensemble. Advanced instruction in guitar.

MVP 3431 CAH-MUSIC 2(1,1)  
Percussion III: PR: MVP 2421 and competence determined by faculty jury. Continued study of performance skills of percussion, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee: $35.00

MVP 3630 CAH-MUSIC 2(2.0)  
Percussion Pedagogy: PR: Music major, C.I. Teaching methods and materials for percussion students and groups. Fall, Spring.

MVP 4441 CAH-MUSIC 4(1,1)  
Percussion IV: PR: MVP 3431 and competence determined by faculty jury. Intensive advanced performance study of percussion for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee: $35.00

MVP 5451 CAH-MUSIC 2(1,0)  
Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring. M&S fee: $35.00

MVS 1211 CAH-MUSIC 1(0,1)  

MVS 1212 CAH-MUSIC 1(0,1)  

MVS 1213 CAH-MUSIC 1(0,1)  

MVS 1214 CAH-MUSIC 1(0,1)  

MVS 1411 CAH-MUSIC 2(1,1)  
Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1412 CAH-MUSIC 2(1,1)  
Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC 2(1,1)  
Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC 2(1,1)  
Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1415 CAH-MUSIC 2(1,1)  
Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1416 CAH-MUSIC 2(1,1)  
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC 2(1,1)  
Violin II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC 2(1,1)  
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)  
Violin III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 2426 CAH-MUSIC 2(1,1)  
Guitar II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC 2(3,1,1)  
Violin III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3432 CAH-MUSIC 2(3,1,1)  
Viola III: PR: MVS 2422 and competence determined by faculty jury. Continued study of performance skills of the viola, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3433 CAH-MUSIC 2(3,1)  
Cello III: PR: MVS 2423 and competence determined by faculty jury. Continued study of performance skills of the cello, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3434 CAH-MUSIC 2(3,1)  
Bass III: PR: MVS 2424 and competence determined by faculty jury. Continued study of performance skills of the double bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3435 CAH-MUSIC 2(3,1)  
Harp III: PR: MVS 2425 and competence determined by faculty jury. Continued study of performance skills of the harp, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3436 CAH-MUSIC 2(3,1)  
Guitar III: PR: MVS 2426 and competence determined by faculty jury. Continued study of performance skills of the guitar, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4441 CAH-MUSIC 4(1,1)  
Violin IV: PR: MVS 3431 and competence determined by faculty jury. Continued study of performance skills of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4442 CAH-MUSIC 4(1,1)  
Viola IV: PR: MVS 3432 and competence determined by faculty jury. Continued study of performance skills of the viola, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4443 CAH-MUSIC 4(1,1)  
Cello IV: PR: MVS 3433 and competence determined by faculty jury. Intensive advanced performance study of the cello, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4444 CAH-MUSIC 4(1,1)  
Bass IV: PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the double bass, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4445 CAH-MUSIC 4(1,1)  
Harp IV: PR: MVS 3435 and competence determined by faculty jury. Continued study of performance skills of the harp, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

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)  
Guitar V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 1111 CAH-MUSIC 1(0,1)  
Class Voice: Class instruction in beginning voice. May be repeated for credit. Fall, Spring.

MVS 1411 CAH-MUSIC 2(1,1)  
Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1412 CAH-MUSIC 2(1,1)  
Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC 2(1,1)  
Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC 2(1,1)  
Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1415 CAH-MUSIC 2(1,1)  
Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1416 CAH-MUSIC 2(1,1)  
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.
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MVW 3431 CAH-MUSIC 2(3.0)
Voice III: PR: MVV 2421 and competence determined by faculty jury. Continued study of performance skills of the voice, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4441 CAH-MUSIC 4(3.1)
Voice IV: PR: MVV 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4640 CAH-MUSIC 2(2.0)
Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.

MVW 4641 CAH-MUSIC 1(0.0)
Voice Pedagogy II: PR: C.I. Continuation of MVW 4640. Intermediate to advanced levels. May be repeated for credit. Odd Spring.

MVV 5451 CAH-MUSIC 2(1.0)
Voice V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVV 1412 CAH-MUSIC 1(0.0)

MVV 1413 CAH-MUSIC 1(0.0)

MVV 1414 CAH-MUSIC 1(0.0)

MVV 1415 CAH-MUSIC 1(0.0)

MVV 2421 CAH-MUSIC 2(1.1)
Flute II: PR: MVV 1411 and competence determined by faculty jury. Continuation of MVV 1411. May be repeated for credit. Fall, Spring.

MVV 2422 CAH-MUSIC 2(1.1)
Oboe II: PR: MVV 1412 and competence determined by faculty jury. Continuation of MVV 1412. May be repeated for credit. Fall, Spring.

MVV 2423 CAH-MUSIC 2(1.1)
Clarinet II: PR: MVV 1413 and competence determined by faculty jury. Continuation of MVV 1413. May be repeated for credit. Fall, Spring.

MVW 1411 CAH-MUSIC 2(1.1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1412 CAH-MUSIC 2(1.1)
Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1413 CAH-MUSIC 2(1.1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1414 CAH-MUSIC 2(1.1)
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MVW 1415 CAH-MUSIC 2(1.1)
 Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 2424 CAH-MUSIC 2(1.1)
Bassoon II: PR: MVV 1414 and competence determined by faculty jury. Continuation of MVV 1414. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MVW 2425 CAH-MUSIC 2(1.1)
Saxophone II: PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit. Fall, Spring.

MVV 3431 CAH-MUSIC 2-3(1.1)
Flute III: PR: MVW 2421 and competence determined by faculty jury. Continuation study of performance skills of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 3432 CAH-MUSIC 2-3(1.1)
Oboe III: PR: MVW 2422 and competence determined by faculty jury. Continuation study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 3433 CAH-MUSIC 2-3(1.1)
Clarinet III: PR: MVW 2423 and competence determined by faculty jury. Continuation study of performance skills of the clarinet. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 3434 CAH-MUSIC 2-3(1.1)
Bassoon III: PR: MVW 2424 and competence determined by faculty jury. Continuation study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 3435 CAH-MUSIC 2-3(1.1)
Saxophone III: PR: MVW 2425 and competence determined by faculty jury. Continuation study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4441 CAH-MUSIC 4(1.1)
Flute IV: PR: MVV 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4442 CAH-MUSIC 4(1.1)
Oboe IV: PR: MVV 3432 and competence determined by faculty jury. Intensive advanced performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4443 CAH-MUSIC 4(1.1)
Clarinet IV: PR: MVW 3433 and competence determined by faculty jury. Intensive performance study of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4444 CAH-MUSIC 4(1.1)
Bassoon IV: PR: MVW 3434 and competence determined by faculty jury. Intensive advanced performance study of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4445 CAH-MUSIC 4(1.1)
Saxophone IV: PR: MVW 3435 and competence determined by faculty jury. Intensive advanced performance study of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 5451 CAH-MUSIC 2(1.0)
Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5452 CAH-MUSIC 2(1.0)
Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5453 CAH-MUSIC 2(1.0)
Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5454 CAH-MUSIC 2(1.0)
Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5455 CAH-MUSIC 2(1.0)
Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

NGR 5003 CON-NURS 2(2.0)
Advanced Health Assessment and Diagnostic Reasoning: PR: or CR: NGR 5141; CR: NGR 5003L. Concepts and skills of advanced health assessment over the lifespan. Application of the diagnostic reasoning process through differential diagnoses. Fall, Spring.

NGR 5003L CON-NURS 1(0.1)
Advanced Health Assessment and Diagnostic Reasoning (Lab): PR: or CR: NGR 5141; CR: NGR 5003L. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan. Graded S/U. Fall, Spring. M&S fee: $45.00

NGR 5090 CON-NURS 3(3.0)
Urgent Care for the Advanced Practice Nurse: PR: NGR 6240 or C. I. Advanced practice evaluation and management of clients in urgent care settings. Occasional.

NGR 5141 CON-NURS 3(3.0)
Pathophysiological Bases for Advanced Nursing Practice: PR: Saccarracius degree in Nursing. Critical examination of the physiological and pathophysiological mechanisms affecting individuals. Fall, Spring.

NGR 5638 CON-NURS 3(3.0)
Health Promotion: PR: Admission to MSN or Nursing Certificate program or C.I. Exploration and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness. Fall, Spring.

NGR 5660 CON-NURS 3(3.0)
Health Disparities: Issues and Strategies: PR: Graduate standing. Explores disparities in access, utilization, services, outcomes, and status for different U.S. populations: data, research, programmatic issues, and strategies to close the gaps. Occasional.

NGR 5690 CON-NURS 3(3.0)
Interdisciplinary Care at End-of-Life: PR: Graduate status or C.I. Examination of interdisciplinary roles and strategies for enabling patients, families, and caregivers to approach end-of-life free from avoidable distress and suffering. Fall.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NGR 5720</td>
<td>CON-NURS 3(3,0)</td>
<td>Organizational Dynamics: PR: Baccalaureate degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. Fall.</td>
</tr>
<tr>
<td>NGR 5745</td>
<td>CON-NURS 1(1,0)</td>
<td>Professional Obligations and Activities of Advanced Practice Nursing: PR: NGR 5883 and NGR 5891. Admission to MSN program or C.I. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.</td>
</tr>
<tr>
<td>NGR 5800</td>
<td>CON-NURS 3(3,0)</td>
<td>Theory for Advanced Practice Nursing: PR: Baccalaureate degree in Nursing or C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. Fall, Spring.</td>
</tr>
<tr>
<td>NGR 5871</td>
<td>CON-NURS 3(3,0)</td>
<td>Health Care Informatics: PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. Fall.</td>
</tr>
<tr>
<td>NGR 5883</td>
<td>CON-NURS 1(1,0)</td>
<td>Cultural, Legal, Ethical, and Political Issues of Advanced Practice Nursing: PR: Admission to MSN program or C.I. Examine legal, ethical and political issues related to advanced practice nursing. Fall, Spring.</td>
</tr>
<tr>
<td>NGR 5891</td>
<td>CON-NURS 1(1,0)</td>
<td>Health Care Systems, Policy and Health Professionals: PR: Admission to the MSN program or C.I. Examine social responses to health and illness, health care systems and policies and the role of advanced practice nurses. Fall, Spring.</td>
</tr>
<tr>
<td>NGR 5894C</td>
<td>CON-NURS 3(2,1)</td>
<td>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.</td>
</tr>
<tr>
<td>NUR 1015</td>
<td>CON-NURS 3(3,0)</td>
<td>Nursing as a Profession: Professional nursing roles in contemporary society covering a range of topics using discourse methodology that forms a foundation for nursing and health care. Fall.</td>
</tr>
<tr>
<td>NUR 3028</td>
<td>CON-NURS 2(2,0)</td>
<td>Essentials of Nursing Practice: PR: Admission to BSN program. CR: NUR 3032 and NUR 3032L. NUR 3065 and NUR 3065L; NUR 3065; NUR 3065L; NUR 3064; NUR 3064L. Apply nursing process and core scientific principles to technical psychomotor nursing skills. Integrate evidence-based principles and nursing process to clients in long-term care. Fall.</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>CON-NURS 1(0,2)</td>
<td>Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3032 and NUR 3032L, NUR 3065 and NUR 3065L; NUR 3065; NUR 3065L; NUR 3064; NUR 3064L. Lab to learn and apply scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. Fall. M&amp;S fee: $45.00.</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>CON-NURS 2(0,2)</td>
<td>Health Assessment: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>CON-NURS 1(0,1)</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>
</tr>
<tr>
<td>NUR 3125</td>
<td>CON-NURS 3(3,0)</td>
<td>Pathophysiology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3315; NUR 3445; NUR 3445L. Concepts and nursing care applications of the pathophysiological basis of illness. Fall.</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>CON-NURS 3(3,0)</td>
<td>Pharmacology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3315; NUR 3445; NUR 3445L. Principles of pharmacology and application to nursing practice. Fall.</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>CON-NURS 3(3,0)</td>
<td>Nursing Research: PR: Admission to the BSN program; STA 2014 or 2023, for Basic program students; successful completion of the first semester; for RN to BSN students: NUR 3805 and RN status; or C.I. Nursing research as a basis for nursing practice.Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 3165H</td>
<td>CON-NURS 3(3,0)</td>
<td>Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the CON. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. With Honors content. Occasional.</td>
</tr>
<tr>
<td>NUR 3167</td>
<td>CON-NURS 1(2,0)</td>
<td>Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the CON. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. Spring.</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>CON-NURS 3(3,0)</td>
<td>Nursing Care of the Adult I: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3315; NUR 3445; NUR 3445L. Integrate biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall.</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>CON-NURS 2(0,6)</td>
<td>Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3315; NUR 3445; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness, or chronic health problems. Graded S/U. Fall. M&amp;S fee: $45.00.</td>
</tr>
<tr>
<td>NUR 3345</td>
<td>CON-NURS 3(3,0)</td>
<td>Nursing Care of Families: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3315; NUR 3445; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and childdbearing families. Fall.</td>
</tr>
<tr>
<td>NUR 3345L</td>
<td>CON-NURS 2(0,6)</td>
<td>Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3315; NUR 3445; NUR 3445L. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childdbearing families. Graded S/U. Fall. M&amp;S fee: $45.00.</td>
</tr>
<tr>
<td>NUR 3634</td>
<td>CON-NURS 3(3,0)</td>
<td>Community Health Nursing: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3067; NUR 3634L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall.</td>
</tr>
<tr>
<td>NUR 3634L</td>
<td>CON-NURS 2(0,6)</td>
<td>Community Health Nursing Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3634. Clinical concepts of community health nursing focusing on community as client, and levels of prevention across the lifespan. Graded S/U. Fall. M&amp;S fee: $45.00.</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>CON-NURS 2(0,6)</td>
<td>Essentials of Nursing Practice Clinical: PR: Admission to BSN Program. CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3634 and NUR 3634L. Application of the nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Graded S/U. Fall. M&amp;S fee: $45.00.</td>
</tr>
<tr>
<td>NUR 3805</td>
<td>CON-NURS 3(3,0)</td>
<td>Dimensions of Professional Nursing Practice: PR: Nursing major/junior level or C.I: ENC 1102. Theoretical bases of professional nursing practice for RN to BSN students. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 3806</td>
<td>CON-NURS 1(1,0)</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>
</tr>
<tr>
<td>NUR 3825</td>
<td>CON-NURS 2(2,0)</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>
</tr>
<tr>
<td>NUR 3826H</td>
<td>CON-NURS 3(3,0)</td>
<td>Bioethical and Legal Issues in Health Care -Honors: PR: Permission of Honors. Includes questions concerning human values, legal and ethical questions arising in health care delivery policy issues and pathways to just and effective solutions to ethical issues facing licensed health care professionals. Occasional.</td>
</tr>
<tr>
<td>NUR 3936</td>
<td>CON-NURS 3(2,2)</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>
</tr>
<tr>
<td>NUR 4177</td>
<td>CON-NURS 3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>CON-NURS 4(4,0)</td>
<td>Nursing Care of the Adult II: PR: Admission to the BSN program; successful completion of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4535; NUR 4535L or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Spring.</td>
</tr>
</tbody>
</table>
NUR 4227L CON-NURS 3(0,3)
Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program; C.R: successful completion of the first three semesters in the nursing curriculum, NUR 4227; NUR 4535; NUR 4535L; or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Spring.

NUR 4257 CON-NURS 3(3,0)
Introduction to Critical Care Nursing: PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Spring.

NUR 4286 CON-NURS 3(3,0)
Gerontologic Nursing: PR: NUR 4286 or RN status or C.I. Theories and principles related to the promotion of independence, maintenance, and restoration of health in older adults in various settings. Occasional.

NUR 4493 CON-NURS 3(3,0)
Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN licensure, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.

NUR 4516 CON-NURS 3(3,0)
Crisis Intervention: PR: Completion of PSY 2012, SYG 2042, or C.I. Crisis theory and techniques; recognition and intervention in crisis events. Applicable to all areas of nursing and all helping professions. Occasional.

NUR 4535 CON-NURS 3(3,0)
Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227, NUR 4227L; NUR 4535. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.

NUR 4535L CON-NURS 2(0,2)
Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4535. Clinical Application of Nursing interventions in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Fall, Spring.

NUR 4550 CON-NURS 3(3,0)
Family and Interpersonal Violence: Perspectives for Nurses: PR: PSY 2012, SYG 2042 and enrollment in a nursing program. C.I. Family and interpersonal violence education to increase effective nursing responses including: history, categories, cycles, laws, intervention, nursing resources, protocols and resources. Occasional.

NUR 4604L CON-NURS 4(0,12)

NUR 4637 CON-NURS 2(0,2)
Public Health Nursing: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L, NUR 4955L; NUR 4257. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS 1(0,1)
Public Health Nursing Clinical: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L, NUR 4955L; NUR 4957; NUR 4257. Clinical Course to apply concepts of public health nursing. Students will apply findings of community assessment completed in NUR 4637. Public Health Nursing. Fall, Spring.

NUR 4675 CON-NURS 3(3,0)
Issues in Rural Health Care: PR: NUR 3605 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4758 CON-NURS 3(3,0)
Death & Dying: Nursing Considerations: PR: Admission to the Nursing Program, RN licensure, or C.I. An in-depth look at issues encountered in nursing practice related to the process of death, dying, and end of life. Occasional.

NUR 4760 CON-NURS 3(3,0)
Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or C.I. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across healthcare settings, from acute care to home care. Occasional.

NUR 4765 CON-NURS 3(3,0)
Rehabilitation Nursing: Principles and Practice: PR: Admission to the nursing program, or RN license, or C.I. Rehabilitation principles are the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

NUR 4827 CON-NURS 3(3,0)
Leadership and Management Principles: PR: NUR 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 4828 CON-NURS 3(3,0)
Nursing Leadership, Management and Role Transition: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L, Directed Practice; NUR 4637; NUR 4637L; NUR 4257. Professional development and role transition of baccalaureate graduates entering professional nursing practice focusing on principles of leadership and management applied to health care settings. Fall, Spring.

NUR 4829 CON-NURS 3(3,0)
Accelerated Transitioning into Professional Practice as a Leader: PR: or CR: NUR 4945L or C.I. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.

NUR 4837 CON-NURS 3(3,0)
Health Care Issues, Policy, and Economics: PR: Completion of the first 3 levels of the Nursing curriculum and concurrent enrollment in NUR 4837. 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 4838L CON-NURS 2(0,2)

NUR 4898 CON-NURS 3(3,0)
Forensic Nursing Principles and Practice: PR: NUR 3825 or NUR 3825 and completion of two semesters of a Nursing program or C.I. Forensic Nursing principles and practices applied to a variety of settings: an examination of the scope of practice of forensic nursing. Occasional.

NUR 4906 CON-NURS 3(3,0)
Variable Independent Study: Directed Study. Graded S/U or Letter grade. May be repeated for credit. Occasional.

NUR 4907H CON-NURS 3(3,0)
Directed Reading/Research-Honors: PR: Permission of Honors and admission to major. The student will review and complete literature or C.I. Application of knowledge and experience in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. Spring.

NUR 4942L CON-NURS 3(0,3)
Nursing Practicum for International Students: PR: CI (Consent of Instructor). In-depth study of clinical nursing practice for international students. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

NUR 4945L CON-NURS 4(0,4)
Nursing Practicum: PR: Admission to the BSN program; STA 2042 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 experience as a practicing professional. Graded S/U. Occasional.

NUR 4971H CON-NURS 3(3,0)
Theory 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 3008 COS-BIOL 3(3,0)

OCE 3490 OPT-OPT 3(3,0)
Nanophotonics: PR: PHY 2049 or C.I. Optical/photonic 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 5203 OPT-OPT 3(3,0)

OCE 5312 OPT-OPT 3(3,0)
Fundamentals of Optical Science: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of materials; wave propagation, introduction to lasers and nonlinear optics. Fall, Spring.

OCE 5313 OPT-OPT 3(3,0)
Fundamentals of Optical Systems: PR: Graduate standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OCE 5414 OPT-OPT 3(3,0)
Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices including quantum well semiconductor devices. Fall.

OCE 5630C OPT-OPT 3(2,1)
Thin Film Optics: PR: PHY 4424 or EEL 4440 and OSE 5041 or OSE 5630C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. Occasional.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3003</td>
<td>Public Administration in American Society</td>
<td>3(3,0)</td>
<td>PR: POS 204L, Exam of basic environment, culture, and organization of public administration in the United States. Fall, Spring.</td>
</tr>
<tr>
<td>PAD 3040</td>
<td>Ethics and Values in Public Administration</td>
<td>3(3,0)</td>
<td>PR: Junior standing or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value framework to act ethically. Occasional.</td>
</tr>
<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning</td>
<td>3(3,0)</td>
<td>PR: PAD 3003 or C.I. Planning topics such as land-use, and comprehensive urban planning as they relate to the physical aspects of the natural and human environment. Fall, Spring.</td>
</tr>
<tr>
<td>PAD 3930</td>
<td>American Humanics Human Service Workshop</td>
<td>1(1,0)</td>
<td>PR: Enrollment in American Humanics Minor or National Certificate Program through American Humanics Program office. Discussion and activity based course exploring nonprofit competencies to prepare students for management and leadership positions in human services. Student Association activities included. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>PAD 4034</td>
<td>The Administration of Public Policy</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PAD 4104</td>
<td>Administrative Theory</td>
<td>3(3,0)</td>
<td>PR: ECO 2023. 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.</td>
</tr>
<tr>
<td>PAD 4110</td>
<td>Intergovernmental Administration</td>
<td>3(3,0)</td>
<td>PR: CAPS 3003 or C.I. Various approaches to managing projects, including using scheduling techniques such as CANTT, CPM, and PER, as well as team building, facilitating, and leadership skills. Occasional.</td>
</tr>
<tr>
<td>PAD 4144</td>
<td>Non-Profit Organizations</td>
<td>3(3,0)</td>
<td>PR: PAD 3003 or C.I. Development of non-profit organizations, including working with board of directors, volunteer services, fund-raising and grantmanship, financial management and marketing. Fall, Spring.</td>
</tr>
<tr>
<td>PAD 4147</td>
<td>Resource Development in the Nonprofit Sector</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PAD 4148</td>
<td>Volunteer Management</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PAD 4153</td>
<td>Planning and Improvement for Public Org</td>
<td>3(3,0)</td>
<td>PR: Junior status or C.I. Examines the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.</td>
</tr>
<tr>
<td>PAD 4204</td>
<td>Fiscal Management</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PAD 4223</td>
<td>Public Budgeting: Skills and Techniques</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PAD 4253</td>
<td>Community &amp; Economic Development</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PAD 4325</td>
<td>Program Evaluation for Public and Non-Profit Organizations</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PAD 4331</td>
<td>Land Use and Planning</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PAD 4334</td>
<td>Urban Design</td>
<td>3(3,0)</td>
<td>CR: PAD 3330 or C.I. Theories and concepts of the physical, cultural, social and financial factors associated with urban design. Spring.</td>
</tr>
<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program Management</td>
<td>3(3,0)</td>
<td>PR: PAD 3003 or C.I. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.</td>
</tr>
<tr>
<td>PAD 4390</td>
<td>Hazard Mitigation and Preparedness</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PAD 4392</td>
<td>Emergency Management and Homeland Security</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PAD 4395</td>
<td>Disaster Response and Recovery</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PAD 4414</td>
<td>Public Personnel Administration</td>
<td>3(3,0)</td>
<td>PR: Junior status or C.I. Examines the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.</td>
</tr>
<tr>
<td>PAD 4446</td>
<td>Multiculturalism in Public Administration</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PAD 4461</td>
<td>Reengineering Government</td>
<td>3(3,0)</td>
<td>PR: PAD 3003. Acquaint undergraduate students with the latest thinking on improving the effectiveness and efficiency of public organizations via reengineering. Occasional.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

PAD 5338  HPA-PUB  3(3,0)
Land Use and Planning Law: Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation. Spring.

PAD 5356  HPA-PUB  3(3,0)
Managing Community and Economic Development: PR: Graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.

PAD 5425  HPA-PUB  3(3,0)
Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5427  HPA-PUB  3(3,0)

PAD 5807  HPA-PUB  3(3,0)
Local Government Operations: Operational Functions of municipal and county governments and the role of the chief executive officer. Occasional.

PAD 5850  HPA-PUB  3(3,0)
Grant and Contract Management: PR: Admission to the Master of Nonprofit Management degree, Nonprofit certificate or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PBF 2102  HPA-PUB  2(2,0)
Public Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. Fall.

PBF 3753H  HPA-PUB  3(3,0)

PBF 3850H  HPA-PUB  3(3,0)

PBF 4754  HPA-PUB AFF  3(3,0)
Interdisciplinary Leadership in Public Affairs: PR: Junior Standing and ENC 1101 or C.I. Global public affairs leadership in social and economic development, social justice, transnational and interdisciplinary partnerships, and social change. Occasional.

PAN 5235  COS-BIOL  3(3,0)

PCB 3024L  COS-BIOL  2(0,8)
Molecular Cell Biology Laboratory: PR: or CR: PCB 3023. Critical thinking, technical skills, and integration of biochemical, molecular, and microscopic experimental approaches to understanding cell structure and function. Occasional.

PCB 3044  COS-BIOL  3(3,0)

PCB 3044L  COS-BIOL  1(0,3)
Principles of Ecology Laboratory: PR: or CR: PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Fall. M&S fee: $15.00

PCB 3063  COS-BIOL  3(3,0)
Genetics: PR: PCB 2010C and PCB 2046, or C.I. Basic principles of heredity as applied to prokaryotes and eukaryotes. Fall, Spring.

PCB 3063H  COS-BIOL  3(3,0)
Honors Genetics: PR: Admissions to 2010C and PCB 2046, or C.I., and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. Occasional.

PCB 3063L  COS-BIOL  1(0,3)
Genetics Laboratory: PR: PR or CR: PCB 3063 or C.I. Introduction to laboratory techniques of genetics. Fall, Spring. M&S fee: $28.00

PCB 3233  COM-M&M  3(3,0)
Immunology: PR: PCB 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immunotherapy. Fall.

PCB 3233L  COM-M&M  1(0,3)
Immunology Laboratory: CR: PCB 3233. Introduction to laboratory techniques in immunology. Fall, Spring. M&S fee: $45.00

PCB 3301C  COS-BIOL  4(3,3)

PCB 3304C  COS-BIOL  4(2,4)

PCB 3314  COS-BIOL  3(3,0)

PCB 3355C  COS-BIOL  2(1,1)
Tropical Marine Biology: PR: PCB 2010C and PCB 2011C or C.I. Intensive, one week field course at an institute of marine science. Diving/sk snorkeling will be used extensively to study organisms on pristine coral reefs. Occasional.

PCB 3442  COS-BIOL  3(3,0)

PCB 3425  COM-M&M  3(3,0)
Molecular Biology I: PR: PCB 2111 and PCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. Fall, Spring.

PCB 3703C  COM-M&M  4(3,3)
Human Physiology: PR: PCB 2101C, CHM 3022 or PCB 2046. The physiology and interrelationships of organ systems of the human body. Fall, Spring. M&S fee: $35.00

PCB 3703H  COM-M&M  4(3,3)
Human Physiology Honors: PR: BSC 2101C, CHM 2046 and consent of Honors College. The physiology and interrelationships of organ systems of the human body. With honors level content. Fall.

PCB 4026  COM-M&M  3(3,0)
Molecular and Cellular Pharmacology: PR: PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.

PCB 41174  COM-M&M  3(3,0)

PCB 4235  COM-M&M  3(3,0)

PCB 4239  COM-M&M  3(3,0)
Molecular Immunology: PR: PCB 3522. Advanced understanding of the workings of the immune system, correlating cellular and molecular mechanisms with clinical cases. Spring.

PCB 4251  COM-M&M  3(3,0)
Tissue Engineering: PR: MCB 3020C or CHM 2045C. Tissue engineering with a special emphasis on the current status of the field, on novel methods and on cell-biomaterial interactions. Occasional.

PCB 4264  COM-M&M  3(3,0)
Stem Cell Biology: PR: PCB 3522 or PCB 3023. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.

PCB 4302C  COS-BIOL  4(3,4)
Physiochemical Limnology: PR: BSC 2101C and BSC 2111C, or C.I. Limnology and methods for freshwater ecologist, with respect to physical, and chemical parameters. Occasional. M&S fee: $15.00

PCB 4303C  COS-BIOL  4(3,4)

PCB 4353  COS-BIOL  3(3,0)
Florida Natural History: PR: BSC 2101C and BSC 2111C, 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 3036. Advanced topics in Genetics, including extra-nuclear inheritance, epigenesis, gene and chromosome mutation, genetics of development and behavior, and advanced genetic analytical techniques. Occasional.

PCB 4524  COM-M&M  3(3,0)

PCB 4524H  COM-M&M  3(3,0)
Molecular Biology II-Honors: PR: Permission of Honors and PCB 3522. Same as PCB 4525 with honors level content. Spring.

PCB 4678 COS-BIOL 3(3,0) Evolution of Medical Practice: PR: PCB 4683 or C.I. Evolutionary theory and perspectives to investigate problems in human health and disease. Odd Fall.

PCB 4683 COS-BIOL 4(4,0) Evolutionary Biology: PR: A grade of “C” (2.0) or better in PCB 3044 and PCB 3063 or C.I. Demographic and genetic structure of populations and their relationship to specialization, adaptation, and macroevolutionary processes in plants and animals. Fall, Spring.

PCB 4683L COS-BIOL 1(0,2) Evolutionary Biology Lab: PR: or CR: PCB 4683. Reading, problem solving and discussion on current topics in evolutionary biology. Fall. Spring. M&S fee: $10.00

PCB 4723 COS-BIOL 4(4,0) Animal Physiology: PR: PCB 3023 or C.I. Functions of body processes occurring in animals, with emphasis on vertebrate physiology. Fall.

PCB 4805 COM-M&M 3(3,0) Endocrinology: PR: PCB 3703C or equivalent; CHM 2211. Mechanisms of action of hormones; interrelationship between the nervous and endocrine systems. Occasional.

PCB 5025 COM-M&M 3(3,0) Molecular and Cellular Pharmacology: PR: Graduate standing, PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.

PCB 5045 COS-BIOL 4(4,0) Conservation Biology: PR: PCB 3044 and PCB 3063 or C.I. Scientific basis of conservation; conservation of ecosystems, populations, exploited species, and endangered species. Fall. M&S fee: $15.00

PCB 5238 COM-M&M 3(3,0) Immunobiology: PR: PCB 3233, PCB 4239. Advanced topics in immune system dysregulation with special emphasis on innate immunity. Spring.


PCB 5265 COM-M&M 3(3,0) Stem Cell Biology: PR: Graduate standing. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.

PCB 5275 COM-M&M 3(3,0) Signal Transduction Mechanisms: PR: PCB 3522 and PCB 4524. A course emphasizing various signal transduction cascades used in mammalian cells to control growth and differentiation. Discussion of original research papers will occur. Occasional.

PCB 5326C COS-BIOL 5(3,2) Ecosystems of Florida: PR: PCB 3044, PCB 3044L or equivalent, and graduate status or senior standing or C.I. Ecosystems of Florida will be discussed to include geography, geology, climate, energetics, nutrient cycling, community structure and conservation. Occasional. M&S fee: $15.00

PCB 5435C COS-BIOL 4(2,6) Marine Ecology of Florida: PR: BSC 4312C, graduate status or senior standing, or C.I. Survey of experimental methods used in the study of marine communities in central and southern Florida, combining field manipulation and readings from primary literature. Odd Spring. M&S fee: $45.00

PCB 5485 COS-BIOL 3(3,0) Models in Ecology: PR: PCB 3044, MAC 2311 (or equivalent), and graduate status or senior standing or C.I. A survey of how simulation models are applied to ecological questions of both a theoretical and managerial nature. Occasional. M&S fee: $15.00

PCB 5665C COS-BIOL 4(3,2) Human Genetics: PR: PCB 3063, 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 5687 COS-BIOL 3(3,0) Comparative Endocrinology: PR: PCB 3023 and PCB 3044 or equivalent and C.I. Hormonal regulation of animal behavior and physiological responses to the environment. Even Fall.

PCB 5935 COS-BIOL 3(3,0) Current Research in Population Genetics and Evolution: PR: Genetics and Population Biology or graduate standing in Biology. Fundamentals of population genetics and application to evolutionary theory. Occasional.

PCO 4203 COS-PSYCH 4(3,2) Interviewing and Counseling: PR: PSY 202, PSY 3003, CLP 3143 and C.I. A review of various interviewing and counseling techniques and interviews used in Mental Health settings as well as practical experience in interviewing and counseling procedures. Fall, Spring.

PEL 2011 ED-CFC 2(1,1) Beginning Swimming: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring. M&S fee: $45.00

PEL 2341 ED-CFC 2(1,1) Beginning Tennis: Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Occasional. M&S fee: $24.00

PEL 2342 ED-CFC 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-CFC 2(1,1) Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional. M&S fee: $11.00

PEN 2101 ED-CFC 2(1,1) Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

PEN 2104 ED-CFC 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.

PEN 2121C ED-CFC 3(1,3) 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.

PEN 2127C ED-CFC 2(1,1) Pilates: The Pilates method of body conditioning emphasizing core musclecare as it applies to everyday movement. Occasional. M&S fee: $12.00

PEN 2131 ED-CFC 2(1,1) Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring. M&S fee: $10.00

PEN 2134C ED-CFC 2(1,1) Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional. M&S fee: $3.00

PEN 2171 ED-CFC 2(1,1) Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. Fall, Spring.

PEN 2173 ED-CFC 2(1,1) Step Aerobics: Appropriate rhythmic muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. Occasional.

PEN 2175 ED-CFC 2(1,1) Country/Western Dance: Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. Occasional.

PEN 2176C ED-CFC 2(1,1) Cardio Kickboxing: Proper technique and fundamentals of cardio kickboxing. Occasional. M&S fee: $6.00

PEN 2405 ED-CFC 3(2,1) Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

PEN 2443 ED-CFC 2(1,2) Tae Kwon Do: An analysis and application of the martial arts, as part of an overall physical and mental training system. Occasional.

UCF Courses and Descriptions
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PET 5408C  ED-CFCS  3(2,1)
Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. Occasional.

PEN 1121  ED-CFCS  2(1,1)
Elementary Swimming: For non-swimmers and beginning swimmers. Development and study of technique in the basic skills of water safety and swimming. Occasional.

PEO 2011  ED-CFCS  3(2,1)
Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring. M&S fee: $5.00

PEO 2031  ED-CFCS  3(2,1)
Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring. M&S fee: $9.00

PEO 2623C  ED-CFCS  2(1,1)
Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional.

PEO 2624  ED-CFCS  3(2,1)
Coaching Basketball: Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall.

PEO 3041  ED-CFCS  3(3,0)

PEO 3324  ED-CFCS  3(2,1)
Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

PEO 3644  ED-CFCS  3(2,1)

PEO 5645C  ED-CFCS  3(2,1)

PEP 3205  ED-CFCS  3(2,1)
Gymnastics: This course is designed to develop skill proficiency and instructional strategies in gymnastics. Occasional.

PET 2081  ED-CFCS  1(1,0)
Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

PET 2622C  ED-CFCS  3(2,1)

PET 3084  ED-CFCS  3(3,0)
Triathlon Training and Performance: PR: PEM 2104. Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. Occasional.

PET 3125  ED-CFCS  3(3,0)
Fitness and Weight Management: PR: Admission to Sport and Fitness Program or C.I. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Spring.

PET 3137  ED-CFCS  3(3,0)
Concepts & Practices in Sports and Fitness: PR: Admission to the program or C.I. Examination of concepts and practices in sports and fitness. Fall.

PET 3214  ED-CFCS  3(3,0)
Sports Psychology: A review of principles of psychology related to the enhancement of satisfaction and performance in sports. Occasional.

PET 3344C  ED-CFCS  3(2,1)

PET 3361  ED-CFCS  3(3,0)
Nutrition for Sports and Fitness: PR: ZOO 3738C or C.I. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, and athletic performance in sports and fitness. Fall.

PET 3510C  HPA-HP  3(2,1)
Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, drugs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. Fall.

PET 3620  HPA-HP  3(3,0)

PET 3623C  HPA-HP  3(2,2)
Recognition and Evaluation of Athletic Injuries I: PR: PET 3620. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

PET 3633C  HPA-HP  2(1,1)
Clinical Skills for Athletes Trainers I: PR: ZOO 3733C or ZOO 3736C, Junior standing; Open to non-majors. Clinical skills including functional knowledge of muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment skills. Fall. M&S fee: $30.81.

PET 3634C  HPA-HP  3(2,1)
Clinical Skills for Athletes Trainers II: PR: PET 3633C and (ZOO 3733C or ZOO 3736C). Junior Standing; Open to all non-majors. Clinical skills, including functional knowledge of upper extremity muscular anatomy; taping and bracing skills; and pharmacological interventions for common general medical conditions and athletic injuries. Spring. M&S fee: $15.00.

PET 3670L  HPA-HP  4(0,16)
Practicum in Athletic Training I: PR: PET 3620. Clinical introduction to an athletic training site under direct supervision of a certified athletic trainer. Fall, Spring.

PET 3671L  HPA-HP  4(0,16)
Practicum in Athletic Training II: PR: PET 3670L. Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

PET 3740C  ED-CFCS  2(1,1)
Teaching Physical Education in the Secondary and Middle School (9-12): PR: Admission to Junior Block, or C.I. Curricular and instructional considerations for teaching secondary and middle school physical education. Occasional.

PET 3765  ED-CFCS  3(3,0)
Coaching Theory: PR: Admitted to COE or C.I. Theories of coaching team and individual sports. Fall, Spring.

PET 3768  ED-CFCS  3(3,0)
Group Exercise Instruction: PR: Admission to the B.S. in Sports and Fitness Program or C.I. Requisite knowledge of a variety of group exercise instruction modalities. Fall, Spring.

PET 3771  ED-CFCS  3(3,0)
Fitness and Conditioning Concepts: PR: ZOO 3738C or C.I. The integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

PET 3820  ED-CFCS  3(2,1)
Teaching Sports Skills I: PR: PEO 2011 or PEO 2031. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Occasional.

PET 3940  ED-CFCS  3(3,0)
Internship I Physical Education: PR: EDG 4323; CR: PET 3930. Student teaching in a physical education program under the supervision of a certified classroom teacher. Occasional.

PET 3941  ED-CFCS  6(0,16)
Internship II: PR: Senior standing, EDG 4323. Satisfactory completion of the portfolio. Internship assignment under a certified physical education teacher. Fall in elementary, half in secondary. Occasional.

PET 4002  ED-CFCS  3(1,2)
Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will include but not be limited to the “adventure activity curriculum,” camping, water activities, fishing, orienteering, hiking. Occasional.

PET 4050C  ED-CFCS  3(2,1)
Motor Development and Learning: PR: PE Junior standing. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. Fall, Spring.

PET 4083  ED-CFCS  3(3,0)
Practical Fitness Training: PR: Admission to Sports and Fitness major or Fitness, Coaching, or Recreation minor or C.I. An in-depth study into fitness-related concepts as they are applied to individuals and groups. Even Spring.

PET 4088  ED-CFCS  3(3,0)
Physical Activity & Preventive Medicine: PR: ZOO 3733C or C.I. Critique and analysis of evidence that exercise training can prevent some diseases and increase quality of life. Occasional.

PET 4215  ED-CFCS  3(3,0)
Motivational Aspects of Athletic Performance: PR: Coaching minor or C.I. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance. Fall, Spring.

PET 4312  ED-CFCS  3(2,1)
Biomechanics: PR: Anatomy. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall.

PET 4315C  HPA-HP  3(2,2)
Biomechanics of Sport: PR: PHY 2093C or PHY 2048 & L. Assessment and recognition of physiological and mechanical aspects of sports and injuries. Spring.

PET 4351C  ED-CFCS  3(2,1)
Applied Exercise and Human Physiology: PR: ZOO 3733C, 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.
PET 4401 ED-CFCS 3(3,0) Administration and Evaluation in Physical Education: This course is designed to address administrative, measurement and evaluation considerations of physical education programs. Fall, Spring.

PET 4550 ED-CFCS 3(2,1) Fitness Assessment: PR: ZOO 3736C or C.I. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. Occasional.

PET 4603C HPA-HP 3(2,2) Introduction to Athletic Training: PR: Athletic Training majors only or C.I. Basic athletic training skills including emergency care, taping and wrapping, goniometry and manual muscle testing. Occasional. M&S fee: $33.50

PET 4604 HPA-HP 3(3,0) Sports Medicine Field Application: Demonstration and application of the treatment for various sports injuries. Spring.

PET 4606 HPA-HP 3(3,0) Applied Fitness in Sport: PR: ZOO 3736C or ZOO 3736C and PCB 3703C. Junior standing. Open to all COHPA majors. Appreciation and clinical application of fitness relating athletics. Spring.

PET 4624C HPA-HP 3(2,2) Recognition and Evaluation of Athletic Injuries I: PR: PET 3671L. Recognition and evaluation skills required to perform an injury/illness assessment of the lower extremity and spine and provide immediate management. Fall.

PET 4625 ED-CFCS 3(3,0) Human Injuries: Mechanisms & Prevention: PR: PET 2622C and ZOO 3736C or C.I. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sport and fitness. Fall.


PET 4636C HPA-HP 3(1,2) Advanced Rehabilitation in Athletic Training: PR: Athletic Training majors only. PET 4630C or C.I. Advanced knowledge, skills, and techniques that the certified athletic trainer must perform during rehabilitation of injuries. Fall.

PET 4640 ED-CFCS 3(3,0) Adapted Physical Education: Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

PET 4660C HPA-HP 3(3,0) Organization and Administration of Athletic Training: PR: PET 3671L. Administrative knowledge in the athletic training profession. Fall.

PET 4672L HPA-HP 4(0,16) Practicum in Athletic Training III: PR: PET 3671L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

PET 4673L HPA-HP 4(0,16) Practicum in Athletic Training IV: PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

PET 4674 HPA-HP 1(1,0) Athletic Training Seminar: PR: PET 4632C, PET 4633C and Senior standing. National Examination review and instruction in related allied health professions. Spring.

PET 4710 ED-CFCS 3(3,0) Teaching Physical Education K-12: PR: Must be admitted to internship. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for teaching Physical Education. Odd Fall, Even Spring.

PET 4724 ED-CFCS 3(3,0) Development and History of Physical Education Curriculum: A study of the factors involved in curriculum development and historical and philosophical considerations of physical education programs. Occasional.

PET 4763 ED-CFCS 3(3,0) Coaching Methods and Principles: PR: Junior standing. Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods/coaching strategies with emphasis given to conditioning and leadership styles. Occasional.

PET 4823C ED-CFCS 3(2,1) Teaching Sports Skills II: PR: PET 3820. Skill, proficiency and knowledge to plan, implement and evaluate sports skills. Odd Fall, Even Spring.

PET 4925 ED-CFCS 3-6(0,16) Sports and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 23 of the Sports and Fitness program requirements. Field experience in a sports and fitness related organization. Occasional.

PET 4926 ED-CFCS 9-12(0,35) Sports and Fitness Practicum II: PR: & Sports and Fitness Practicum I and overall GPA of 2.5. Field experience in a sports and fitness related organization, association, or business. Occasional.

PET 4943 ED-CFCS 12(0,35) Internship II: PR: Must have completed course work in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Graded S/U. May be repeated for credit. Occasional.

PET 4945 ED-CFCS 12(0,35) Internship I: PR: Must have completed course work in specialization. Satisfactory completion of portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Occasional.

PET 5216 ED-CFCS 3(3,0) Motivational Aspects of Coaching: PR: Graduate standing or C.I. Assist students to understand and conceptually integrate mental and physical performance, mental rehearsal, motivation, effort, persistence, adherence and compliance, measurement and evaluation, and other related topics of interest. Occasional.

PET 5355 ED-CFCS 3(3,0) Exercise and Health: PR: Admission to master's program or certificate program. Will provide educators an in-depth understanding of energy pathways, and neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. Occasional.

PET 5495 ED-CFCS 3(3,0) Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Specializes in coaching and sport leadership in self-evaluating, examining, and developing philosophy, values, and moral reasoning skills. Occasional.

PET 5635 ED-CFCS 3(3,0) Advanced Human Injuries: PR: PET 2622C or C.I. The application of medical knowledge to sport with the emphasis on preserving the health of an athlete before, during and after performance. Occasional.


PET 5931 ED-CFCS 3(3,0) Current Issues and Trends in Physical Education and Sport: PR: Admission to the Physical Education graduate program or C.I. Examination of the current issues and trends encountered by professionals in physical education and sport. Occasional.

PGY 2401C CAH-ART 3(3,2) Beginning Photography: PR: ART 2201C, ART 2300C or C.I. Introduction to photography with an art emphasis. Fall. M&S fee: $45.00

PGY 3002 CAH-ART 3(3,0) Contemporary Photography: PR: ARH 3711 or C.I. Late 20th and 21st century (1970's-present) contemporary movements in photography, special emphasis on issues and ideas related to contemporary image making. Occasional.

PGY 3205C CAH-ART 3(2,4) Photographic Lighting Techniques: PR: PGY 2107, PGY 2215 or C.I. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. Occasional. M&S fee: $45.00

PGY 3324 CAH-ART 3(3,0) The Professional Environment: PR: ARH 3711, PGY 3002, or C.I. The world of professional photography, exploring various topics such as legal and ethical issues, marketing and self-promotion strategies. Occasional.


PGY 3451C CAH-ART 3(2,4) Alternative Processes: PR: PGY 4472C or C.I. 19th century photographic processes with related contemporary non-traditional methods of image creation and presentation. Occasional. M&S fee: $45.00

PGY 3480 CAH-ART 3(3,0) Photographic Exhibition and Display: PR: ARH 3711, PGY 3002, PGY 3324 or C.I. The museum environment, focusing on the acquisition and display of photographic materials as well as curatorial functions facing contemporary museums. Occasional.

PGY 3610C COS-COMM 3(1,4) Photojournalism I: PR: Journalism majors only. Black and white shooting and processing, dark room and computer-based newspaper assignments. 35 MM SLR camera with manual mode required. Fall, Spring. M&S fee: $45.00

PGY 3620C COS-COMM 3(1,2) Photojournalism II: PR: PGY 3610C. The Picture Story. Individual and group projects for extended documentary coverage. Odd Spring. M&S fee: $45.00

PGY 3630 COS-COMM 3(3,0) Photographic Journalism: PR: PGY 3620C. Photography Editing. Assignment selection, picture and copy editing, cropping, picture desk management, and ethics of photojournalism, and the new technological advances. Occasional. M&S fee: $11.00
Current digital imaging software and its application to con-volution and ideas found in historical and contemporary imagery. Emphasis on the creation of multiple or consecutive images. Spring.

Photography Workshop/Project: PR: PGY 2655 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

Photography Thesis: PR: PGY 3202 or C.I. Senior thesis project culminating in a public exhibition or portfolio presentation. Occasional. M&S fee: $45.00

Photography and Art: PR: PGY 4472C or C.I. Creation of photographs related to the expression of personal, political, aesthetic, and theoretical issues and ideas found in historical and contemporary imagery. Occasional.


Philosophical Logic: A study of sentence and predicate logic, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics. Occasional.

Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

Ethics: An examination of the nature of moral problems, judgments and principles, with an emphasis on recent formulations in ethical theory. Occasional.

Logic and Ethics: PR: COT 3100C or MAD 2104. Research in logic applied to ethics, especially for science and technology. Uses of simulation and modeling to study philosophical problems in ethics. Occasional.

PHI 3638 CAH-PHIL 3(3,0)

PHI 3640 CAH-PHIL 3(3,0)
Environmental Ethics: PR: Junior standing. Major contemporary issues 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 2010C 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 utilitarian, deontological, virtue-based and feminist approaches to ethics, rights, and justice; some examination of metaethical issues. Even Spring.

PHI 3672 CAH-PHIL 3(3,0)
Animal Ethics: PR: PHI 2010 or C.I. Key issues and debates in the area of animal ethics, including both theoretical and applied dimensions. Occasional.

PHI 3683 CAH-PHIL 3(3,0)
Philosophy of Friendship: PR: One of: PHI 2010, PHI 3670, PHI 3638, 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: PR: Junior standing or PHI 2010 or C.I. 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 2110, PHI 2106, 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: PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. Occasional.

PHI 4420 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or PHI 2010 or C.I. An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. Occasional.

PHI 4500 CAH-PHIL 3(3,0)
Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, actions and events, necessity and possibility, identity, nature of persons, mind-body dualism, causality, and free will and determinism. Occasional.

PHI 4633 CAH-PHIL 3(3,0)
Ethics and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity. Occasional.

PHI 4633H CAH-PHIL 3(3,0)
Honors Ethics and Biological Science: PR: BSC 2010C, a course in Philosophy, and consent of Honors. Contemporary thinking on ethical issues arising from the biological sciences, including human and animal experiments, genetic engineering, and biodiversity. Occasional.

PHI 4673 CAH-PHIL 3(3,0)
Medical Ethics: PR: Senior standing or C.I. Ethics of clinical medicine and medical research. Spring.

PHI 4690 CAH-PHIL 3(3,0)
Ethics in Nanoscience and Nanotechnology: PR: Completion of GEP or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology. Odd Fall.

PHI 4804 CAH-PHIL 3(3,0)
Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. Even Fall.

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 3291, 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 3803 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 SU. 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 program 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)

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 5634 CAH-PHIL 3(3,0)
Medical Ethics: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.
UCF Courses and Descriptions

PHI 5605 CAH-PHIL 3(3,0) Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3700, PHI 4500, PHI 4633, PHI 4931 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 3020 CAH-PHIL 3(3,0) Philosophy of Love: PR: Junior standing and PHI 2010, or C.I. A critical investigation of the meaning and significance of various kinds of love from a variety of philosophical perspectives. Spring.

PHM 3100 CAH-PHIL 3(3,0) Freedom and Justice: PR: Junior standing or PHI 2010 or C.I. Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state, including such topics 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 3570, 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 3460, 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 3460, PHI 2630, graduate status or senior standing, or C.I. 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: PR: Junior standing or PHI 2010 or C.I. Study of existentialist analysis and criticism of the human condition 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 3069. Lab course emphasizing the examinations required to perform an evaluation of a physical therapy patient. Occasional.

PHT 3112 HPA-HP 2(2,0) Gross Anatomy/Neuroscience I: PR: Admission into the Physical Therapy program. CR: PHT 3112L. In-depth study of human morphology emphasizing the brain, the spinal cord, cranial nerves, and upper and lower extremities. Regional cadaver dissection. Occasional.

PHT 3112L HPA-HP 3(0,6) Gross Anatomy/Neuroscience I Lab: CR: PHT 3112. Human cadaver dissection of the back, spinal cord, cranial nerves, and upper and lower extremities. Occasional.

PHT 3113 HPA-HP 2(2,0) Gross Anatomy/Neuroscience II: PR: PHT 3112; PHT 3112L. CR: PHT 3113L. In-depth study of human morphology emphasizing the brain, the spinal cord, pelvis, and the internal organs. Occasional.

PHT 3113L HPA-HP 3(0,6) Gross Anatomy/Neuroscience II Lab: CR: PHT 3113. Human cadaver dissection of the back, spinal cord, cranial nerves, and upper and lower extremities. Occasional.


PHT 3155L HPA-HP 2(0,4) Physiology of Therapeutic Exercise Lab: CR: PHT 3155L. Lab course emphasizing the clinical application of exercise physiology. Occasional.


PHT 3259L HPA-HP 1(0,2) Patient Care Skills Lab: CR: PHT 3259L. Lab course covering basic skills of patient care; transfers, mobility skills, draping, gait training. Occasional.


PHT 4222L HPA-HP 1(0,2) Therapeutic Exercise I Lab: CR: PHT 4222. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Occasional.

PHT 4230 HPA-HP 2(2,0) Therapeutic Exercise II: PR: PHT 4222; PHT 4222L. CR: PHT 4230L. Exploration of the various therapeutic exercise modalties, and their application to the rehabilitation process. Occasional.

PHT 4230L HPA-HP 1(0,2) Therapeutic Exercise II Lab: CR: PHT 4230. Lab course emphasizing use of various therapeutic exercise modalities. Occasional.

PHT 4307 HPA-HP 3(3,0) Pathology/Pharmacology: PR: PHT 3113. Organized seminars on the pathophysiology and clinical manifestations of various medical conditions as they relate to medical management in physical therapy practice. Occasional.

PHT 4308 HPA-HP 2(2,0) Medical Science and Pharmacology II: The impact on movement and posture of various orthopedic and neurological disorders; drugs used in their management. Relates neuropsychology and orthopedic pathology to the study of movement. Occasional.


PHT 5003 HPA-HP 2(0,2) Foundations of Physical Therapy I: PR: Admission to the Physical Therapy program. Introduction to the profession of physical therapy. Occasional.

PHT 5005 HPA-HP 2(0,2) Foundations of Physical Therapy II: PR: Foundations of Physical Therapy I. Psychosocial aspects of disability. Focus on cultural diversity issues, communication skills, and different styles of learning and teaching. Occasional.

PHT 5115 HPA-HP 2(2,0) Gross Anatomy/Neuroscience I: PR: Admission to the Physical Therapy program. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper and lower extremities. Regional cadaver dissection. Occasional.

PHT 5125 HPA-HP 2(2,0) Clinical Kinesiology: CR: PHT 5125L. Investigates the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column, and tissue mechanics of relevant human tissues. Coordinated with cadaver dissection. Occasional.

PHT 5125L HPA-HP 2(0,4) Clinical Kinesiology Lab: CR: PHT 5125L. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Occasional.
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 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 5241L HPA-HP 2(0.4) Therapeutic Exercise Lab I: 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, transfer, 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, transfer, mobility skills. Fall. M&S fee: $25.00


PHT 5718L HPA-HP 1(0.2) Neurological Physical Therapy Lab: CR: CR Neurological Physical Therapy Lab. Course emphasizing the clinical application of selected neuromotor theories. Occasional. M&S fee: $15.00


PHY 2048 COS-PHYS 3(3.0) Physics for Engineers & Scientists I: PR: MAC 2311 or equivalent. Mechanics, Thermodynamics, fluids. Fall, Spring.

PHY 2048H COS-PHYS 3(3.0) Honors Physics for Engineers and Scientists I: PR: Permission of Honors and MAC 2311 or equivalent. Same as PHY 2048 with honors-level content. Occasional.

PHY 2048L COS-PHYS 1(0.3) Honors Physics Laboratory for Engineers and Scientists I: PR: Permission of Honors and MAC 2311 or equivalent. Same as PHY 2048L with honors-level content. Occasional.

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 2048H, MAC 2312. Same as PHY 2049 with honors-level content. Occasional.

PHY 2049L COS-PHYS 1(0.3) Physics Laboratory for Engineers and Scientists II: CR: PHY 2049. Laboratory experiments covering selected topics in physics related to PHY 2049. Fall, Spring. M&S fee: $15.00

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 2090 COS-PHYS 0(0.1,5) Physics Today: CR: PHY 2048 or PHY 2049. Fundamental physics principles behind recent developments in physics research will be presented in a seminar format. May be repeated. 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 3110 with honors-level content. Occasional.

PHY 3220 COS-PHYS 3(3,0) Mechanics I: PR: PHY 2048 or PHY 2048H, MAP 2302. Particle dynamics, rigid bodies, Lagrangian formulation of mechanics, Hamilton’s equations. Spring.

PHY 3323 COS-PHYS 3(3,0) Electricity and Magnetism I: PR: PHY 2049, MAP 2302. Electrostatics, magnetostatics, Lorentz force current electricity, 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) Physics Laboratory-Electronics: PR: PHY 2049, PHY 2048L. State-of-the-art electronics, transducers, operational amplifiers, phase sensitive circuits, active filters. Occasional. M&S fee: $15.00


PHY 3802L COS-PHYS 3(1,5) Intermediate Physics Laboratory: PR: PHY 3101 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.

PHYS 3920 COS-PHYS 1(1.0) Frontiers in Physics Research: Colloquia and Public Talks: PR: PHY 3101 or C.I. Presentations of current research and major advances in physics. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

PHY 4324 COS-PHYS 3(3,0) Electricity and Magnetism II: PR: PHY 3223. 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 4424L COS-PHYS 3(0.3) Optical Physics Laboratory: A laboratory course on geometric optics, interference, diffraction, materials and modern optics. Occasional.

PHY 4445 COS-PHYS 3(0.5) 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 4803L COS-PHYS 3(1.5) Advanced Physics Laboratory: PR: PHY 3802L. Experiments in optics, electronics, nuclear and solid state physics. Emphasis on design, data, and scientific writing. Occasional. M&S fee: $15.00


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 principles and related scientific and technological applications of ion-solid interactions. Even Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>PHY 5200C</td>
<td>COS-PHYS</td>
<td>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.</td>
</tr>
<tr>
<td>PHY 5300C</td>
<td>COS-PHYS</td>
<td>Electricity for Teachers: PR: Graduate status or senior standing or C.I. Circuits, multimeters, oscilloscopes, circuit elements. Occasional.</td>
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<tr>
<td>PHY 5346</td>
<td>COS-PHYS</td>
<td>Electromagnetics I: PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell's equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.</td>
</tr>
<tr>
<td>PHY 5401C</td>
<td>COS-PHYS</td>
<td>Optics for Teachers: PR: Graduate status or senior standing or C.I. Geometrical and physical optics, spectrometers and lasers. Occasional.</td>
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<tr>
<td>PHY 5455</td>
<td>COS-PHYS</td>
<td>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.</td>
</tr>
<tr>
<td>PHY 5466C</td>
<td>COS-PHYS</td>
<td>Wave Motion for Teachers: PR: Graduate status or senior standing or C.I. Water waves, waves on strings, sound and vibrations. Occasional.</td>
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<tr>
<td>PHY 5500C</td>
<td>COS-PHYS</td>
<td>Thermal Physics for Teachers: PR: Graduate status or senior standing or C.I. Engines, heat pumps, kinetic theory, phase changes, radiation, weather. Occasional.</td>
</tr>
<tr>
<td>PHY 5606</td>
<td>COS-PHYS</td>
<td>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 Schroedinger equation, matrix formulation, and time independent perturbation theory. Fall.</td>
</tr>
<tr>
<td>PHY 5817L</td>
<td>COS-PHYS</td>
<td>Building Physics Apparatus: PR: Graduate standing or senior standing and C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work. Occasional. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>PHY 5846C</td>
<td>COS-PHYS</td>
<td>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.</td>
</tr>
<tr>
<td>PHY 5933</td>
<td>COS-PHYS</td>
<td>Selected topics in biophysics of macromolecules: PR: PHY 3101, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>PHY 5934</td>
<td>COS-PHYS</td>
<td>Introduction to Theoretical Methods of Physics: PR: MAP 2352. Analytical techniques to solve problems of physics. Spring.</td>
</tr>
<tr>
<td>PHY 3151</td>
<td>COS-PHYS</td>
<td>Computational Physics: PR: PHY 3101. Physical phenomena occurring in nanometer-scale length, including nano colloids, and nano transport. Occasional.</td>
</tr>
<tr>
<td>PHY 4290</td>
<td>COS-PHYS</td>
<td>Nuclear and Particle Physics: PR: PHY 4605 or C.I. The properties of the nucleus and the fundamental particles and how the universe is built from particles. Occasional.</td>
</tr>
<tr>
<td>PHY 4434</td>
<td>COS-PHYS</td>
<td>Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.</td>
</tr>
<tr>
<td>PHY 5156</td>
<td>COS-PHYS</td>
<td>Computational Physics: PR: PHZ 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.</td>
</tr>
<tr>
<td>PHY 5504</td>
<td>COS-PHYS</td>
<td>Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nucleons, symmetries and conservation laws, interactions, models. Occasional.</td>
</tr>
<tr>
<td>PHY 5405</td>
<td>COS-PHYS</td>
<td>Condensed Matter Physics: PR: PHY 4604, PHY 3101, and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.</td>
</tr>
<tr>
<td>PHY 5425C</td>
<td>COS-PHYS</td>
<td>Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.</td>
</tr>
<tr>
<td>PHY 5437</td>
<td>COS-PHYS</td>
<td>Nanoscale Surface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.</td>
</tr>
<tr>
<td>PHY 5505</td>
<td>COS-PHYS</td>
<td>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.</td>
</tr>
<tr>
<td>PLA 3013</td>
<td>HPA-CJ/LS</td>
<td>Law and the Legal System: A survey course designed to familiarize student with our national legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 3104</td>
<td>HPA-CJ/LS</td>
<td>Legal Research: PR: PLA 3013 or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 3155</td>
<td>HPA-CJ/LS</td>
<td>Civil Practice and Procedure: PR: PLA 3013 or C.I. A study of civil practice and procedure. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 3156</td>
<td>HPA-CJ/LS</td>
<td>Civil Practice and Procedure - Honors: PR: Permission of Honors and PLA 3013 or C.I. Same as PLA 3021 with honors level content. Occasional.</td>
</tr>
<tr>
<td>PLA 3201</td>
<td>HPA-CJ/LS</td>
<td>The Law of Torts: PR: PLA 3013 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of Torts cases. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 3304</td>
<td>HPA-CJ/LS</td>
<td>Criminal Law: Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 3308</td>
<td>HPA-CJ/LS</td>
<td>Criminal Procedure: PR: PLA 3013 or C.J. 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>
</tr>
<tr>
<td>PLA 4020</td>
<td>HPA-CJ/LS</td>
<td>Law and Society: Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.</td>
</tr>
<tr>
<td>PLA 4223</td>
<td>HPA-CJ/LS</td>
<td>Advanced Trial Advocacy: PR: PLA 4910 or C.I. Litigation and trials at an advanced level; students must handle trial from beginning to end. May be repeated for credit. Occasional.</td>
</tr>
</tbody>
</table>
PLA 4263 HPA-C/LS 3(3,0)
Evidence: PR: PLA 3013 and 3201 or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.

PLA 4423 HPA-C/LS 3(3,0)
The Law of Contracts: Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

PLA 4433 HPA-C/LS 3(3,0)
Florida Partnerships and Corporations: Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.

PLA 4460 HPA-C/LS 3(3,0)
Bankruptcy Law: PR: C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. Occasional.

PLA 4472 HPA-C/LS 3(3,0)
Employment Discrimination Law: PR: C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 4483 HPA-C/LS 3(3,0)
Administrative Law: PR: PLA 3013 or PAD 3003. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4530 HPA-C/LS 3(3,0)
Legal Issues of the Elderly: PR: PLA 3013. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.

PLA 4554 HPA-C/LS 3(3,0)
Environmental Law: PR: PLA 3013 and PLA 4483 or C.I. Environmental law and policy related to the protection of natural resources, including an examination of toxic pollutants, endangered species, and climate change. Odd Fall, Odd Spring.

PLA 4583 HPA-C/LS 3(3,0)

PLA 4583H HPA-C/LS 3(3,0)
Honors Cyber Law: PR: Honors GEP completion or consent of The Burnett Honors College. Copyright, trademark, patent issues in cyberspace; online dispute resolution, privacy, and free speech topics. With Honors Consent. Occasional.

PLA 4601 HPA-C/LS 3(3,0)
Estates and Trusts: PR: PLA 3013, PLA 3610. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.

PLA 4602 HPA-C/LS 3(3,0)
Estate Administration: PR: PLA 4601. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4700 HPA-C/LS 3(3,0)

PLA 4710 HPA-C/LS 1(1,0)
Careers in Legal Studies: PR: Major in Legal Studies or C.I. Applications of Legal Studies. Students will explore options in legal studies, professional development, and ethics. Graded S/U. Occasional.

PLA 4732 HPA-C/LS 3(3,0)
Advanced Legal Applications: Computer Software: PR: PLA 3013 or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today’s law firms and law-related fields. Occasional.

PLA 4763 HPA-C/LS 3(3,0)

PLA 4800 HPA-C/LS 3(3,0)
Domestic Relations Law: PR: PLA 3013 and PLA 3610, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.

PLA 4813 HPA-C/LS 3(3,0)
Juvenile Law and Procedure: PR: PLA 3013 or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.

PLA 4823 HPA-C/LS 3(3,0)
Sports Law: PR: PLA 3013 or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.

PLA 4824 HPA-C/LS 3(3,0)

PLA 4825 HPA-C/LS 3(3,0)
Entertainment Law: PR: PLA 3013 or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4826 HPA-C/LS 3(3,0)

PLA 4830 HPA-C/LS 3(3,0)
World Legal Systems: PR: PLA 3013 or equivalent. An examination of various legal traditions and systems of the world. Substantive and procedural laws will be examined. Occasional.

PLA 4864 HPA-C/LS 3(3,0)

PLA 4910 HPA-C/LS 3(3,0)
Trial Advocacy: PR: PLA 3013, PLA 4263 or C.I. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. Fall, Spring.

PLA 4935 HPA-C/LS 3(3,0)
Capstone: Legal Issues: PR: senior status, PLA 3155. Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal studies education. Course will assist students entering employment or graduate education. Fall, Spring.

PLA 5587 HPA-C/LS 3(3,0)
Current Issues in Cyberlaw: PR: Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.

PLA 5937 HPA-C/LS 3(1,2)

POR 1120C CAH-LANG 4(3,1)
Elementary Portuguese Language and Civilization I: Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall.

POR 1121C CAH-LANG 4(3,1)
Elementary Portuguese Language and Civilization II: PR: POR 1120C or C.I. Continuation of POR 1120C. The course emphasizes the four major language skills: reading, writing, listening, and speaking. Spring.

POR 2200 CAH-LANG 3(3,0)
Intermediate Portuguese I: PR: POR 1120C or equivalent or C.I. Development of Portuguese language skills at the intermediate level. Fall, Spring.

POR 2201 CAH-LANG 3(3,0)
Intermediate Portuguese II: PR: POR 2200 (Intermediate Portuguese I) or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.

POR 3140 CAH-LANG 3(3,0)
Accelerated Portuguese for Speakers of Romance Languages: PR: FRE 2201, or ITA 2201, or SPN 2201, or course equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. Occasional.

POS 2041 COS-POLS 3(3,0)
American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures. Fall, Spring.

POS 2041H COS-POLS 3(3,0)

POS 3076 COS-POLS 3(3,0)
American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. Occasional.

POS 3122 COS-POLS 3(3,0)

POS 3122H COS-POLS 3(3,0)

POS 3173 COS-POLS 3(3,0)

POS 3182 COS-POLS 3(3,0)
Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 3182H</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Honors Florida Politics: PR: POS 2041 or C.I., and consent of Honors. Foundations of Florida government and political behavior, political institutions, and public policy. With Honors content. Occasional.</td>
</tr>
<tr>
<td>POS 3233</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Public Opinion: PR: Junior standing or C.I. Nature, impact and development of public opinion, emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior. Fall.</td>
</tr>
<tr>
<td>POS 3235</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Mass Media and Politics: PR: POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.</td>
</tr>
<tr>
<td>POS 3235H</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Honors Mass Media and Politics: PR: POS 2041 or C.I., consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. Occasional.</td>
</tr>
<tr>
<td>POS 3253</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Contemporary Revolution and Political Violence: Theories and cases of revolutionary change and political violence in the contemporary world. Occasional.</td>
</tr>
<tr>
<td>POS 3258</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Politics in Film: PR: POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. Even Fall.</td>
</tr>
<tr>
<td>POS 3273</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Voting and Elections: Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. Occasional.</td>
</tr>
<tr>
<td>POS 3413</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>The American Presidency: PR: POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office's evolution in status, powers, administrative responsibilities, leadership, and decision-making. Occasional.</td>
</tr>
<tr>
<td>POS 3424</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change: emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. Fall.</td>
</tr>
<tr>
<td>POS 3443</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reforms, legislative and executive roles. Occasional.</td>
</tr>
<tr>
<td>POS 3463</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. Occasional.</td>
</tr>
<tr>
<td>POS 3703</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Scope and Methods of Political Science: PR: Junior standing or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. Fall, Spring.</td>
</tr>
<tr>
<td>POS 3949</td>
<td>COS-POLS</td>
<td>(0,8)</td>
<td>Cooperative Education in Political Science: PR: Departmental permission required before registering. Cooperative education experience in political science. Graded S/U. May be repeated. Occasional.</td>
</tr>
<tr>
<td>POS 4074</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Latino Politics: PR: POS 2041 or C.I. Political characteristics of the Latino community in the United States and its impact on U.S. national and international politics and policies. Odd Fall.</td>
</tr>
<tr>
<td>POS 4142</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Metropolitan Politics: Analysis of political patterns, processes, and issues in American communities;Intergovernmental relations and structural and political arrangements in the existing and emerging metropolitan areas. Occasional.</td>
</tr>
<tr>
<td>POS 4204</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Political Behavior: PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. Occasional.</td>
</tr>
<tr>
<td>POS 4206</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Political Psychology: The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influences on politics. Occasional.</td>
</tr>
<tr>
<td>POS 4246</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Political Socialization: PR: POS 2041 or C.I. Analysis of recruitment and socialization processes, identification of the agents and processes of political socialization in national and cross-cultural contexts. Occasional.</td>
</tr>
<tr>
<td>POS 4284</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Judicial Process and Politics: Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior. Fall, Odd Spring.</td>
</tr>
<tr>
<td>POS 4412</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Presidential Campaigning: PR: C.I. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. Occasional.</td>
</tr>
<tr>
<td>POS 4603</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>American Constitutional Law: PR: POS 2041 or C.I. Development of American federalism and national power, commerce clause, and nationalization of the economy. Fall.</td>
</tr>
<tr>
<td>POS 4604</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>American Constitutional Law II: PR: POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.</td>
</tr>
<tr>
<td>POS 4622</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Politics and Civil Rights: PR: Junior standing or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865. Occasional.</td>
</tr>
<tr>
<td>POS 4742</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Geographic Information Systems for the Political Scientist: PR: POS 2041. Theoretical assumptions, analytical possibilities, and application of Geographic Information Systems (GIS) for political science research. Occasional.</td>
</tr>
<tr>
<td>POS 4941L</td>
<td>COS-POLS</td>
<td>(3-9,3-9)</td>
<td>Political Science Internship: PR: C.I. Internship working with the national, state, county or municipal government. Assignments with selected civic organizations, elected or appointed officials. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>POS 5024</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>American Political Thought: From its sources to the 20th century, including liberalism, pluralism, the Federalist, the rise of industrialism, resulting social movements, modern variations. Odd Fall.</td>
</tr>
<tr>
<td>POS 5302</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Modern Political Ideologies: A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. Occasional.</td>
</tr>
<tr>
<td>POS 4003</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Political Theory: PR: POS 2041 or C.I. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field. Occasional.</td>
</tr>
<tr>
<td>POS 4025</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Ancient, Medieval and Early Modern Political Philosophy: Study of the development of political and social ideas in western thought from early Greece through the 17th century. Occasional.</td>
</tr>
<tr>
<td>POS 4054</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Modern Political Philosophy: Study of the development of political and social ideas from the 18th century to the present. May be taken independently of POT 4046 (Ancient, Medieval and Early Modern Political Philosophy). Occasional.</td>
</tr>
<tr>
<td>POS 4066</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Contemporary Political Theory: PR: Junior standing or C.I. Study of the contemporary debate about the status of rights, utilitarianism, liberalism, and communitarian Marxism; libertarian, and feminist critiques of liberalism. Occasional.</td>
</tr>
<tr>
<td>POS 4109</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Politics and Literature: PR: Junior standing. An examination of politics and the political process through the medium of literature. Occasional.</td>
</tr>
<tr>
<td>POS 4305</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>The State, Society, and the Individual: PR: Junior standing or C.I. The relationship between the state, society, and the individual by discussing the works of major authors from Adam Smith to Robert Axelrod. Odd Fall.</td>
</tr>
<tr>
<td>POS 4314</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Contemporary Democratic Theory: PR: POS 2041 or C.I. Study of democratic theories, emphasizing liberal democracy and its critics, elitist theories, participatory democracy, citizen participation, and relevance of empirical research to democratic theory. Occasional.</td>
</tr>
<tr>
<td>POS 4331</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Utopia/Dystopia: PR: POS 2041 or C.I. Examines political issues, such as justice, economic distribution and social organization by exploring both classic and contemporary utopias and dystopias. Occasional.</td>
</tr>
<tr>
<td>POS 4345</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Pan-Africanist Thought: PR: INR 2002. Philosophical assumptions, theoretical frameworks, ideological orientations and social/political thinkers that have contributed to the tradition of Pan-Africanist thought. Occasional.</td>
</tr>
<tr>
<td>POS 4414</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Marxist Political Theory: Study of Marx &amp; Engels and other thinkers, exposing the theoretical underpinnings of nations and groups who have adapted marxist principles for governance. Occasional.</td>
</tr>
<tr>
<td>POS 4632</td>
<td>COS-POLS</td>
<td>(3,0)</td>
<td>Religion and Politics: PR: Junior standing. Institutional and individual relationship of religion and politics including globalization, fundamentalism, secularization, American exceptionalism, political behavior, and the religious origins of current secular concepts. Occasional.</td>
</tr>
</tbody>
</table>
PSC 1121L COS-PHYS 1(0,2)
Physical Science Lab: CR: PSC 1121. Experiments to apply the scientific method to observation and analysis in mechanics, heat, light, electricity and magnetism, chemical and physical transformations. Fall, Spring. M&S fee: $10.00

PSC 1801 COS-PHYS 3(3,0)

PSY 2012 COS-PSYCH 3(3,0)
Introduction to Psychological Science: A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Fall, Spring.

PSY 2012H COS-PSYCH 3(3,0)
Honors General Psychology: PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. Fall, Spring.

PSY 2023 COS-PSYCH 1(1,0)
Careers in Psychology: PR: PSY 2012. An examination of various career opportunities in Psychology, including educational entry requirements, and related professional issues. Graded SU. Occasional.

PSY 3022C COS-PSYCH 3(1,8)

PSY 3204 COS-PSYCH 4(3,2)
Statistical Methods in Psychology: PR: STA 2014C or STA 2023. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. Occasional.

PSY 3204H COS-PSYCH 4(3,1)
Honors Statistical Methods in Psychology: PR: STA 2014C or STA 2023 and consent of Honors. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. With Honors content. Occasional.

PSY 3213C COS-PSYCH 5(3,2)
Research Methods in Psychology: PR: PSY 2012, PSY 3204, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Fall, Spring. M&S fee: $20.00

PSY 3213H COS-PSYCH 5(3,2)
Honors Research Methods in Psychology: PR: PSY 2012, PSY 3204 and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors content. Occasional.

PSY 3302 COS-PSYCH 3(3,0)

PSY 3320C COS-PSYCH 3(2,2)

PSY 3624 COS-PSYCH 3(3,0)

PSY 3630 COS-PSYCH 3(3,0)

PSY 3703 COS-PSYCH 3(3,0)
Psychology of Language: PR: PSY 2012 or C.I. Psychological principles involved in the communicative process, with application to individuals and groups. Occasional.

PSY 3951 COS-PSYCH 1(3-30)
Undergraduate Field Work: PR: Senior standing and C.I. Placement in a community agency for supervised experience in applications of psychology to community problems. Graded SU. May be repeated for credit. Fall, Spring.

PSY 4025 COS-PSYCH 3(3,0)
The Psychology of Art: PR: PSY 2012, and ARH 2050 or ARH 2051. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.

PSY 4215C COS-PSYCH 4(3,2)
Advanced Research Methods in Psychology: PR: PSY 3213C. Design, analysis, and interpretation of complex research projects in psychology. Fall, Spring. M&S fee: $20.00

PSY 4270L COS-PSYCH 3(3,0)
Advanced Research Methods Statistical Lab: PR: PSY 3213C and CR: PSY 4215C. Data analysis and research reporting procedures. Experience in analyzing and interpreting the methods and results used in research reports. Occasional. M&S fee: $15.00

PSY 4305C COS-PSYCH 3(1,4)

PSY 4604 COS-PSYCH 3(3,0)
History and Systems of Psychology: PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.

PSY 4604H COS-PSYCH 3(3,0)
Honors History and Systems of Psychology: PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. Occasional.

PSY 5605 COS-PSYCH 3(3,0)
History and Systems of Psychology: PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of modern American psychology from its origins in the late 19th century to the present time. This course is intended for the PhD in Clinical Psychology; in certain instances graduate students in other programs may enroll. Odd Fall.

PUP 3014 COS-POLS 3(3,0)
Comparative Public Policy: PR: POS 2041 or CPO 3103 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. Occasional.

PUP 3203 COS-POLS 3(3,0)
Environmental Politics: PR: POS 2041 or C.I. An examination of policies and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. Odd Fall.
PUR 3314 COS-POLS 3(3,0)
Minorities in American Politics: Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. Occasional.

PUP 3325 COS-POLS 3(3,0)
Women and Political Behavior: PR: POS 2041 or C.I. Women’s role in the political process, emphasizing women in the governmental and policy process. Odd Fall.

PUP 3508 COS-POLS 3(3,0)
Space Studies: PR: Junior standing or C.I. Multidisciplinary overview of space studies, providing familiarity with some technical aspects as well as the relationship between technical and public policy considerations. Occasional.

PUP 4003 COS-POLS 3(3,0)
American Public Policy: PR: POS 2041 or C.I. Policy formation, implementation and evaluation, with a focus upon contemporary American problems, including the malapportionment of societal power and social conflict. Occasional.

PUP 4204 COS-POLS 3(3,0)
Sustainability: PR: POS 2041 or C.I. Environmental politics through the lens of “sustainability.” Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 4209 COS-POLS 3(3,0)

PUP 4323 COS-POLS 3(3,0)
Women and Public Policy: PR: POS 2041 or C.I. Public policies and processes that achieve a disparate impact on women and women’s lives in the United States. Occasional.

PUP 4404 COS-POLS 3(3,0)
Education and Politics: PR: Junior standing or C.I. Western education and the connection between citizenship and education, education funding, and the politics of education reform. Occasional.

PUP 4503 COS-POLS 3(3,0)
Government and Science: PR: C.I. Examination of interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510 COS-POLS 3(3,0)
Space Policy: An examination of the politics and policy-making involved with the US space program in the context of domestic demands and other international space programs. Even Fall.

PUP 4602 COS-POLS 3(3,0)
Politics of Health: PR: C.I. Analysis of public health policies. Primary focus upon political processes, policymakers, and interest group interventions, including consumers and policy outcomes. Comparative health policies. Occasional.

PUP 4744 COS-POLS 3(3,0)
Government and Business: PR: Junior standing or C.I. Analysis of public policies regarding business. Study includes various levels of government including international organizations. Occasional.

PUP 4931 COS-POLS 3(3,0)
Topics in Public Policy: Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be used in the degree program a maximum of 2 times. Occasional.

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: SCP 1608. 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: AD/PR majors only and ADV 3008. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. Occasional.

PUR 4801 COS-COMM 3(3,0)
Public Relations Case Studies: PR: AD/PR majors only and PUR 4000 or C.I. Discussion and analysis of public relations cases highlighting the application of PR theory to advance organizational goals. Fall, Spring.

RAT 3001 HPA-HP 3(3,0)

RAT 3241 HPA-HP 3(3,0)

RAT 3242 HPA-HP 2(2,0)
Oncologic Pathology: PR: Acceptance to program. Study of neoplastic diseases, including causative factors, characteristics, histologic grading, staging and treatment. Occasional.

RAT 3614 HPA-HP 2(2,0)
Radiation Therapy Physics I: PR: Acceptance to program. Study of radiation production, properties, interactions, systems. 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 4618C HPA-HP 4(3,3)
Radiation Therapy Physics II: PR: RAT 3614. Study of radiation protection techniques, design considerations, modes and characteristics of decay, handling of radionuclides and clinical dosimetry. Occasional.

RAT 4619C HPA-HP 4(3,3)
Radiation Therapy Physics III: PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques. Occasional.

RAT 4804L HPA-HP 5(0,20)

RAT 4814L HPA-HP 6(0,24)

RAT 4824L HPA-HP 8(0,24)

RED 3012 ED-TLP 3(3,0)
Basic Foundations of Reading: PR: Junior standing or C.I. Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. Fall, Spring.

RED 3310 ED-CFTS 3(3,0)

RED 4043 ED-TLP 3(3,0)
Content Reading in Kindergarten through Grade 12: PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 curriculum. Principles, strategies, assessment, and promising practices. Fall, Spring.

RED 4311 ED-CFTS 3(3,0)

RED 4519 ED-TLP 3(3,1)

RED 4942 ED-TLP 3(3,0)
Practionum for Assessment and Instruction of Reading: PR: RED 4519. Corequisite: Internship I. Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.

RED 5147 ED-TLP 3(3,0)

RED 5517 ED-TLP 3(3,1)
Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and correction of reading in reading instructional materials. Case study required. Even Fall, Spring.

REE 3043 BA-FIN 3(3,0)
Fundamentals of Real Estate: PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. Fall, Spring.

REE 3433 BA-FIN 3(3,0)
Real Estate Law: PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. Fall, Spring.
RTV 3234C COS-R/TV 3(2,1)  
Broadcast Announcing and Performance: PR: RTV Major, Junior standing, and C.I. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditioning, performance in scenes and commercials. Expect extensive studio work in the RTV lab facility outside of class. Occasional. M&S fee: $15.00.

RTV 3260C COS-R/TV 4(3,1)  
Single Camera Video Production and Editing: PR: RTV 3200 and RTV Major - Production Specialization or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee: $30.00.

RTV 3263C COS-R/TV 3(2,1)  
Advanced Video Post-Production: PR: RTV 3260C and RTV Major - Production Specialization. Advanced post-production techniques for analog and digital video, including A/B roll time code editing, digital video effects, electronic graphics, and nonlinear video editing systems. Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee: $15.00.

RTV 3283C COS-R/TV 3(2,1)  
Production of Interactive Multimedia: PR: CGS 1006C; major status in RTV, AdPrJ, Professional, Organizational or Interpersonal Communication. Practice and production of electronic interactive multimedia for the broadcast industry. Students should expect significant work in the RTV lab facility outside of class. Odd Fall. M&S fee: $15.00.

RTV 3301 COS-R/TV 3(3,0)  

RTV 3304 COS-R/TV 3(3,0)  
Electronic Journalism II: PR: RTV 3301, RTV 3260C, and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages. Fall, Spring.

RTV 3942L COS-R/TV 1-3(0,3-9)  

RTV 4206C COS-R/TV 3(2,1)  
Television Directing: PR: RTV 3220C, RTV 3260C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Students should expect significant work in the RTV lab facility outside of class. Fall, Even Spring. M&S fee: $30.00.

RTV 4211C COS-R/TV 3(2,1)  
Audio Production II: PR: RTV 3210C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee: $15.00.

RTV 4271C COS-R/TV 3(2,1)  
Radio Production and Programming: PR: RTV 3200 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, use of production digital resources, and their place and role on today's radio listener. Students should expect significant work in the RTV lab facility outside of class. Fall.

RTV 4280C COS-R/TV 3(2,1)  
Webcasting I: PR: RTV Major and PR or CR: RTV 3283C. Presentation of broadcast material on the web. Integrates the distribution of radio, television, and web content. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee: $15.00.

RTV 4281C COS-R/TV 3(2,1)  
Webcasting II: PR: RTV 4280C and RTV Major. Production of digital media in conjunction with other RTV production activities to repurpose broadcast content for delivery on the web. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee: $15.00.

RTV 4320C COS-R/TV 4(1,3)  
Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee: $15.00.

RTV 4322C COS-R/TV 3(2,1)  
Advanced TV News: PR: RTV 4320C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4403 COS-R/TV 3(2,0)  
Electronic Media, Technology, in Society: PR: RTV 3007. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. Fall, Spring.

RTV 4503 COS-R/TV 3(3,0)  
Sports Programming on Broadcast and Cable: PR: RTV 3007 or C.I. An examination of program development theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4505 COS-R/TV 3(2,1)  
Program Issues for TV & Motion Pictures: PR: RTV 3007 or PR: C.I. An examination of program development theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4700 COS-R/TV 3(3,0)  
Regulation of Broadcasting: PR: RTV Majors only, RTV 3007, Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

RTV 4800 COS-R/TV 3(3,0)  
Broadcast Management: PR: RTV Majors only, RTV 4700. Examination of broadcast management problems in station operations at local, regional, and national levels. Odd Spring.

RUS 1120 CAH-LANG 4(4,1)  
Elementary Russian Language and Civilization I: PR: or CR: RUS 1121 or equivalent. Development of language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Occasional.

RUS 1121 CAH-LANG 4(4,1)  
Elementary Russian Language and Civilization II: PR: RUS 1120 or equivalent. Continuation of RUS 1120. Occasional.

RUS 2200 CAH-LANG 3(3,1)  

RUS 2201 CAH-LANG 3(3,1)  
Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. Occasional.

RUS 2210 CAH-LANG 3(3,0)  
Intensive Russian Conversation: PR: One year of Russian or equivalent. Pratical use of the language, leading toward fluency and correctness in speaking. Occasional.

RUS 3240 CAH-LANG 3(3,0)  
Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

RUS 3760 CAH-LANG 3(3,0)  

SCC 3311 HPA/CJ/LS 3(3,0)  
Security Administration: Discussion of modern security administration and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.

SCC 3314 HPA/CJ/LS 3(3,0)  

SCC 3316 HPA/CJ/LS 3(3,0)  
Special Security Problems: Review and application of basic security principles to retail security, transportation, cargo security, utility security, computer security, and other special security situations. Occasional.

SCE 3310 ED-TLP 3(3,0)  
Teaching Science in Elementary School: PR: EDG 4410 or C.I. Selected concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring. M&S fee: $6.25.

SCE 4304 ED-CFC 3(3,0)  
Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery science/design technology program for young children in an integrated, interactive curriculum. Fall.

SCE 4360 ED-TLP 4(3,2)  
Science Instructional Analysis: PR: EDG 4233 or C.I. Course objectives for a school curriculum and methods and materials for the middle grades and high school. Fall, Spring. M&S fee: $8.00.

SCE 4361 ED-TLP 3(3,0)  
Programs in Teaching Science: PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary school science education majors. Spring.

SCE 5315 ED-TLP 3(3,0)  

SCE 5325 ED-TLP 3(3,0)  
Teaching Middle School Science: PR: EDG 6226 or C.I. This course will provide experiences that promote effective science teaching in grades 5-8 including interdisciplinary teaching, technology use, ESOL, and inquiry in science. Occasional.

SCE 5337 ED-TLP 3(3,0)  
Issues and Methods in Secondary School Science: PR: EDG 6236 or C.I. Secondary science education special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 5836</td>
<td>Space Science for Educators:</td>
<td>PR: Senior standing or C.I. Introduction to space science, manned space flight, and space education curriculum. Occasional.</td>
</tr>
<tr>
<td>SLS 1501</td>
<td>Strategies for Success in College:</td>
<td>PR: First Time in College (FTIC) standing or C.I. Development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall, Spring.</td>
</tr>
<tr>
<td>SLS 2261C</td>
<td>Student Organization Leadership:</td>
<td>Application of leadership and organizational development paradigms, theories, and approaches for emerging and established student leaders. Occasional.</td>
</tr>
<tr>
<td>SLS 2311C</td>
<td>Overview of Select Medical Careers:</td>
<td>Fall.</td>
</tr>
<tr>
<td>SLS 2715</td>
<td>Peer Educator Leadership:</td>
<td>PR: Orientation Team Members or C. I. Training peer educators in helping strategies applicable to their peer leadership positions. Fall, Spring.</td>
</tr>
<tr>
<td>SOP 3004</td>
<td>COS-PSYCH 3(3,0)</td>
<td>Social Psychology: PR: PSY 2012. Effects of social situations and social variables on the behavior of individuals. Fall, Spring.</td>
</tr>
<tr>
<td>SOP 3723</td>
<td>COS-PSYCH 3(3,0)</td>
<td>Cross Cultural Psychology: PR: PSY 2012. Exploration of theories, issues, and research concerned with the psychological understanding of under-represented minority groups. Odd Spring.</td>
</tr>
<tr>
<td>SOP 3724</td>
<td>Psychology of Prejudice:</td>
<td>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.</td>
</tr>
<tr>
<td>SOP 3742</td>
<td>COS-PSYCH 3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SOP 3751</td>
<td>COS-PSYCH 3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SOP 3784</td>
<td>COS-PSYCH 3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SOP 5059</td>
<td>COS-PSYCH 3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SOW 2020</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Careers in Creating Social Change: Introduces students to the field of social services, with emphasis on the social work profession and other careers that create social change. Fall.</td>
</tr>
<tr>
<td>SOW 3104</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Assessing I: Human Development: Skill development in assessing &quot;person-in-environment&quot; 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.</td>
</tr>
<tr>
<td>SOW 3111</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Assessing II: Human Systems: PR: SOW 3104, Development of skills in assessing families, groups, organizations, and communities, their impact on human functioning, and their potential for providing social support. Spring.</td>
</tr>
<tr>
<td>SOW 3203</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Social Work &amp; Community Resources: PR: Jr. Standing or C.I. Development of skills in assessing families, groups, organizations, and communities, their impact on human functioning, and their potential for providing social support. Spring.</td>
</tr>
<tr>
<td>SOW 3220</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Practice I: PR: Admin. to Social Work Program. Generalist Practice in Social Work: Study of social work functions, knowledge, values, and skills. Development of ability to use a generalist model of practice. Fall.</td>
</tr>
<tr>
<td>SOW 3352</td>
<td>HPA-SOWK 3(1,2)</td>
<td>Practice II: PR: SOW 3300. Integration of Skills in Social Work: PR or C.R. SOW 3300. Study and practice of intervening, group leadership, written communication, and group presentations, in consensual as well as conflictual contexts of social work. Spring.</td>
</tr>
<tr>
<td>SOW 3401</td>
<td>HPA-SOWK 3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SOW 3620</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Social Work with Diverse Populations: PR: SOW 3203 and SOW 3104; PR or C.R. SOW 3300. Social work intervention and skill development served to oppressed groups. Spring.</td>
</tr>
<tr>
<td>SOW 3740</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Social Work Practice with Loss &amp; Life’s Transitions: PR: General Education completed and SOW 3104. A wide range of losses across the life span will be presented from a strengths perspective. Assessment &amp; intervention recognizing cultural differences will be addressed. Fall.</td>
</tr>
<tr>
<td>SOW 4232</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Social Welfare Policies and Issues: PR: SOW 3203 or equivalent. Development of skills needed to critically analyze welfare goals, structures, and practices. Proposes improvements in societal resource systems. Fall.</td>
</tr>
<tr>
<td>SOW 4341</td>
<td>HPA-SOWK 3(1,2)</td>
<td>Micro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and support and remedial groups. Fall.</td>
</tr>
<tr>
<td>SOW 4343</td>
<td>HPA-SOWK 3(1,2)</td>
<td>Macro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving to obtain and improve social welfare resources within organizations and communities. Fall.</td>
</tr>
<tr>
<td>SOW 4431</td>
<td>HPA-SOWK 3(2,1)</td>
<td>Evaluating Social Work Practice and Service Programs: PR: SOW 3401, SOW 3300. The study of systematic data collection and of measurement of change in individuals, families, groups, programs, and communities. Occasional.</td>
</tr>
<tr>
<td>SOW 4510</td>
<td>HPA-SOWK 9(0,28)</td>
<td>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.</td>
</tr>
<tr>
<td>SOW 4522</td>
<td>HPA-SOWK 3(2,1)</td>
<td>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.</td>
</tr>
<tr>
<td>SOW 4602</td>
<td>HPA-SOWK 3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SOW 4645</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Social Services for the Elderly: PR: SOW 3300, SOW 3104, or Gerontology Certificate Major or C.I. Development of interventional strategies for obtaining, providing, and improving social services in behalf of elderly persons and their families. Fall.</td>
</tr>
<tr>
<td>SOW 4650</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Child Abuse: Treatment and Prevention: PR: SOW 3300 and Admission to BSW Program. C.I. The social worker’s role and interventions with victims of child abuse and their family members. Spring.</td>
</tr>
<tr>
<td>SOW 4654</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Children’s Services: PR: or C.R: SOW 3104. Study of societal responses to children’s needs. Development of skills for preventing family breakdown, placing children in alternative care, and reunifying children with their families. Fall, Spring.</td>
</tr>
<tr>
<td>SOW 4673</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Social Work Practice: The Gay and Lesbian Experience: PR: SOW 3104 or C.I. Sexual orientation and cultural diversity, policies and resources affecting gay &amp; lesbian people, community based therapeutic and preventive interventions with gay &amp; lesbian clients. Even Spring.</td>
</tr>
<tr>
<td>SOW 4705</td>
<td>HPA-SOWK 3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SOW 4706</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Intervention with Substance Abusers: PR: Junior Standing. Strategies for working with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.</td>
</tr>
<tr>
<td>SOW 4730</td>
<td>HPA-SOWK 3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SOW 4754</td>
<td>HPA-SOWK 3(3,0)</td>
<td>Forensic Social Work Theory and Practice: PR: SOW 3104 or C.I. The role of social workers within the courts and criminal justice system. Occasional.</td>
</tr>
<tr>
<td>SOW 5105</td>
<td>HPA-SOWK 3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SOW 5106</td>
<td>HPA-SOWK 3(3,0)</td>
<td>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.</td>
</tr>
</tbody>
</table>
SOW 5132  HPA-SOWK  3(3,0)
Diverse Client Populations: Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. Spring.

SOW 5235  HPA-SOWK  3(3,0)
Social Welfare Policies and Services: Study of societal responses to human needs; forces shaping social welfare systems; introduces frameworks for analyzing social policies and services. Fall.

SOW 5305  HPA-SOWK  3(3,0)
Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. Fall.

SOW 5306  HPA-SOWK  3(3,0)
Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.

SOW 5355  HPA-SOWK  3(3,0)
Studies in Social Work Practice: PR: C.I. Analysis of one or more urban practice issues and approaches. May be repeated for credit. Occasional.

SOW 5387  HPA-SOWK  3(3,0)
Nonprofit Resource Development: PR: Admission to certificate program or C.I. Resource Development in nonprofit organizations, including board development and leadership, volunteer program development, staff development, grant funding, 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)

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 5538  HPA-SOWK  3(3,0)
Full-Time MSW Generalist Field Education and Seminar I: PR: Graduate standing or C.I.; CR: SOW 5305. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. Occasional.

SOW 5539  HPA-SOWK  3(3,0)
Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5538; CR: SOW 5536. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. Occasional.

SOW 5546  HPA-SOWK  1(1,0)
Generalist Field Education Integrative Seminar 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 5565  HPA-SOWK  2(2,0)

SOW 5566  HPA-SOWK  2(2,0)

SOW 5567  HPA-SOWK  2(2,0)

SOW 5624  HPA-SOWK  3(3,0)
Social Work Practice in Mexican Culture: PR: C.I. The practice of social work in Mexican culture through cultural immersion, seminars, field visits and language instruction. Occasional.

SOW 5625  HPA-SOWK  3(3,0)

SOW 5642  HPA-SOWK  3(3,0)
Aging in Social Situations: PR: Admission to MSW program or Gerontology certificate program or C.I. Knowledge about elderly in social situations or environmental context. Occasional.

SOW 5652  HPA-SOWK  3(3,0)

SOW 5662  HPA-SOWK  3(3,0)
Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. Occasional.

SPA 3002  HPA-COM SC&DIS  3(3,0)

SPA 3011  HPA-COM SC&DIS  3(3,0)
Speech Science I: Production: PR: SPA 3112. Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.

SPA 3011L  HPA-COM SC&DIS  1(0,1)

SPA 3101  HPA-COM SC&DIS  3(3,0)
Physiological Bases of Speech and Hearing: PR: or CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.

UCF Courses and Descriptions

SOW 3104  HPA-COM SC&DIS  3(3,0)

SOW 3112  HPA-COM SC&DIS  3(3,0)
Basic Phonetics: CR: SPA 3112L. Physiological descriptions and visual notation of standard speech patterns and regional dialects. Fall, Spring.

SOW 3112L  HPA-COM SC&DIS  1(0,1)

SPO 3123  HPA-COM SC&DIS  3(3,0)

SPO 3123L  HPA-COM SC&DIS  1(0,1)

SPO 3471  HPA-COM SC&DIS  3(3,0)
Communication Disorders in Literature and Media: PR: PSY 2012 or SYG 2000. Exploration of communication disorders in literature and media, emphasizing psychological, academic, vocational, and familial challenges as well as society's perceptions of individuals with communication disorders. Fall, Spring.

SPO 3472  HPA-COM SC&DIS  3(3,0)
Guidance of Young Children with Communication Disorders: PR: SPA 3471. Social/emotional and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. Fall, Spring.

SPO 3632  HPA-COM SC&DIS  3(3,0)
Communication Disorders in the Deaf and Hard of Hearing Population: PR: ASL 2510 or C.I. Speech, language, and hearing problems in the DHH population, including etiology, pathology, and management of hearing disorders. Occasional.

SPO 4032  HPA-COM SC&DIS  3(3,0)

SPO 4056C  HPA-COM SC&DIS  5(3,2)
Clinical Methods in Communication Disorders: PR: SPA 4476 or SPA 4400. Principles and techniques of case management with emphasis on designing individualized treatment programs for individuals with communication disorders. Students will complete 25 observation hours. Fall, Spring.

SPO 4201  HPA-COM SC&DIS  3(3,0)
Articulation And Phonological Disorders: PR: SPA 3002, SPA 3112. The etiology, assessment, and management of articulation and phonological disorders, including those associated with structural variations and neuromotor disorders. Occasional. M&T fee: $15.00

SPO 4241  HPA-COM SC&DIS  3(3,0)

SPO 4321  HPA-COM SC&DIS  3(3,0)
UCF Courses and Descriptions

SPA 4400 HPA-COM SC&DIS 3(3,0)

SPA 4476 HPA-COM SC&DIS 3(3,0)
Speech Disorders Across the Lifespan: PR: SPA 3471, SPA 3101, and SPA 3112. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding and swallowing. Fall, Spring.

SPA 4478 HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Disorders & Differences: PR: LIN 3716. Cultural and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4501L HPA-COM SC&DIS 3(0,3)
Undergraduate Clinical Practicum: PR: SPA 4056C; either SPA 4400 or SPA 4476, and Senior Status. Students must apply and be invited to enroll in practicum. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. Fall. Spring. M.S. fee: $45.00

SPA 4555 HPA-COM SC&DIS 3(3,0)
Counseling in Communication Disorders: SPA 4056C or C.I. Practical interviewing and counseling in the area of communication disorders. Spring.

SPA 4580 HPA-COM SC&DIS 3(3,0)
Augmentative and Alternative Communication Systems: PR: LIN 3717 or C.I. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Occasional.

SPA 4634 HPA-COM SC&DIS 3(3,0)
Educational Implications of Deafness: PR: ASL 2510. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803 HPA-COM SC&DIS 3(3,0)
Research Methods in Communication Sciences and Disorders: PR: STA 2144C or STA 2023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.

SPA 4870C HPA-COM SC&DIS 3(2,1)
Capstone Course: PR: PR or CR: SPA 4056C and senior status. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.

SPA 4948 HPA-COM SC&DIS 3(0,3)
Community Internship: PR: SPA 4056C and Senior Status. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. Fall, Spring.

SPA 5473 HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Differences and Disorders: PR: Graduate standing, introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-American cultures. Occasional.

SPA 5554 HPA-COM SC&DIS 3(3,0)
Counseling in Communicative Disorders: PR: Senior Status or C.I. Interviewing and counseling for individuals with communication disorders and their families. Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Degree Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPM 3504</td>
<td>ED-CFCS</td>
<td>Fiscal and Facilities: Issues in Sports and Fitness</td>
<td>3(3,0)</td>
<td></td>
<td>Admissions to program or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on fiscal management. Fall.</td>
</tr>
<tr>
<td>SPM 4723</td>
<td>ED-CFCS</td>
<td>Legal Issues in Sports and Fitness</td>
<td>3(3,0)</td>
<td></td>
<td>Admission to program or C.I. Examination of the legal issues and problems encountered by sports and fitness professionals. Fall.</td>
</tr>
<tr>
<td>SPM 5155</td>
<td>ED-CFCS</td>
<td>Introduction to Sports Administration</td>
<td>3(3,0)</td>
<td></td>
<td>PR: C.I. This course provides 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>SPM 5308</td>
<td>ED-CFCS</td>
<td>Marketing and Promoting Sports and Fitness Programs</td>
<td>3(3,0)</td>
<td></td>
<td>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>SPM 5506</td>
<td>ED-CFCS</td>
<td>Financial Issues in Sports and Fitness</td>
<td>3(3,0)</td>
<td></td>
<td>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 sports industry. Occasional.</td>
</tr>
<tr>
<td>SPM 1120H</td>
<td>CAH-LANG</td>
<td>Honors Elementary Spanish Language and Civilization I</td>
<td>4(4,1)</td>
<td></td>
<td>PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Levels—beginner to intermediate. Occasional.</td>
</tr>
<tr>
<td>SPM 1121C</td>
<td>CAH-LANG</td>
<td>Elementary Spanish Language and Civilization II</td>
<td>4(3,1)</td>
<td></td>
<td>PR: SPN 1120C or equivalent. Continuation of SPN 1120C. Fall, Spring.</td>
</tr>
<tr>
<td>SPM 1121H</td>
<td>CAH-LANG</td>
<td>Honors Elementary Spanish Language and Civilization II</td>
<td>4(4,1)</td>
<td></td>
<td>PR: Permission of Honors and SPN 1120H or equivalent. Same as SPN 1121H with honors-level content. Occasional.</td>
</tr>
<tr>
<td>SPM 1150C</td>
<td>CAH-LANG</td>
<td>Intensive Beginning Spanish</td>
<td>8(4,4)</td>
<td></td>
<td>PR: C.I. Intensive course. Examines basic vocabulary and its use in Spanish. Focus on the development of basic communication skills. Fall, Spring.</td>
</tr>
<tr>
<td>SPM 1170</td>
<td>CAH-LANG</td>
<td>Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment</td>
<td>8(16.10)</td>
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<tr>
<td>SPM 2200</td>
<td>CAH-LANG</td>
<td>Intermediate Spanish Language and Civilization I</td>
<td>3(3,1)</td>
<td></td>
<td>PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.</td>
</tr>
<tr>
<td>SPM 2200H</td>
<td>CAH-LANG</td>
<td>Honors Intermediate Spanish</td>
<td>3(3,1)</td>
<td></td>
<td>PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors consent. Fall.</td>
</tr>
<tr>
<td>SPM 2201</td>
<td>CAH-LANG</td>
<td>Intermediate Spanish Language and Civilization II</td>
<td>3(3,1)</td>
<td></td>
<td>PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. Occasional.</td>
</tr>
<tr>
<td>SPM 2240</td>
<td>CAH-LANG</td>
<td>Intensive Spanish Conversation</td>
<td>3(3,1)</td>
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<tr>
<td>PR: One year of Spanish or equivalent. Practical use of the language, leading toward fluency and correctness in speaking at the intermediate level. Occasional.</td>
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<tr>
<td>SPM 2241</td>
<td>CAH-LANG</td>
<td>Spanish Conversation</td>
<td>3(3,0)</td>
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<tr>
<td>PR: SPN 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.</td>
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<tr>
<td>SPM 2340</td>
<td>CAH-LANG</td>
<td>Spanish for Native Speakers</td>
<td>3(3,0)</td>
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<tr>
<td>PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language. Occasional.</td>
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<tr>
<td>SPM 2341</td>
<td>CAH-LANG</td>
<td>Advanced Spanish for Native Speakers</td>
<td>3(3,0)</td>
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<tr>
<td>PR: SPN 2340 or C.I. This course is a continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. Occasional.</td>
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<tr>
<td>SPM 2511</td>
<td>CAH-LANG</td>
<td>Modern Spanish Civilization Abroad</td>
<td>3(3,0)</td>
<td></td>
<td>PR: SPN 1120C &amp; SPN 1121C. This intensive course will focus on modern Spanish culture using examples from present day society. Cultural visits and realia are essential components of this course. Occasional.</td>
</tr>
<tr>
<td>SPM 3140</td>
<td>CAH-LANG</td>
<td>Business Spanish I</td>
<td>3(3,0)</td>
<td></td>
<td>PR: SPN 2200 and SPN 2201 or equivalent. Basic business terminology, business culture, and business topics related to the Hispanic World. Odd Fall.</td>
</tr>
<tr>
<td>SPM 3141</td>
<td>CAH-LANG</td>
<td>Business Spanish II</td>
<td>3(3,0)</td>
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<tr>
<td>PR: C.I. Continuation of Business Spanish I. Even Spring.</td>
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<tr>
<td>SPM 3142</td>
<td>CAH-LANG</td>
<td>Business Spanish III</td>
<td>3(3,0)</td>
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<tr>
<td>PR: C.I. Continuation of Business Spanish II. Even Spring.</td>
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<tr>
<td>SPM 3234</td>
<td>CAH-LANG</td>
<td>Advanced Directed Readings</td>
<td>3(3,0)</td>
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<tr>
<td>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.</td>
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<tr>
<td>SPM 3300</td>
<td>CAH-LANG</td>
<td>Advanced Spanish Grammar and Composition</td>
<td>3(3,0)</td>
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<tr>
<td>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.</td>
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<tr>
<td>SPM 3343</td>
<td>CAH-LANG</td>
<td>Advanced Rhetoric for Native Speakers</td>
<td>3(3,0)</td>
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<tr>
<td>PR: Third year level oral proficiency. Systematic study of Spanish grammar as applied to rhetoric in standard Spanish for native speakers only. Occasional.</td>
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<tr>
<td>SPM 3344</td>
<td>CAH-LANG</td>
<td>Advanced Spanish Native Fluency I</td>
<td>3(3,0)</td>
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<tr>
<td>PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. Fall.</td>
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<tr>
<td>SPM 3345</td>
<td>CAH-LANG</td>
<td>Advanced Spanish Native Fluency II</td>
<td>3(3,0)</td>
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<tr>
<td>PR: SPN 3344. Continuation of Advanced Spanish Native Fluency I emphasizing the remaining grammatical topics and composition skills. Spring.</td>
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<tr>
<td>SPM 3402</td>
<td>CAH-LANG</td>
<td>Practice in Modern Spanish Grammar</td>
<td>3(3,0)</td>
<td></td>
<td>PR: SPN 2241 or SPN 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.</td>
</tr>
<tr>
<td>SPM 3420</td>
<td>CAH-LANG</td>
<td>Spanish Composition</td>
<td>3(3,0)</td>
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<tr>
<td>PR: SPN 2201 or equivalent. Development of skills in composition. Fall, Spring.</td>
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<tr>
<td>SPM 3512</td>
<td>CAH-LANG</td>
<td>Contemporary Spanish Culture Abroad</td>
<td>3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>SPM 3760</td>
<td>CAH-LANG</td>
<td>Advanced Spanish Oral Communication</td>
<td>3(3,0)</td>
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<tr>
<td>PR: SPN 2201 or SPN 2240 or equivalent. Vocabulary building with systematic training in dictation and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.</td>
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<tr>
<td>SPM 3850</td>
<td>CAH-LANG</td>
<td>Structure of the Spanish Language</td>
<td>3(3,0)</td>
<td></td>
<td>PR: C.I. Linguistic theory applied to analysis of Spanish language. Includes systematic study of sound patterns, semantics, word formations, and socializations. Occasional.</td>
</tr>
<tr>
<td>SPM 3852</td>
<td>CAH-LANG</td>
<td>Bilingualismo</td>
<td>3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>SPM 3933</td>
<td>CAH-LANG</td>
<td>Spanish Across the Curriculum</td>
<td>1(1,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>SPM 4143</td>
<td>CAH-LANG</td>
<td>Business Spanish IV</td>
<td>3(3,0)</td>
<td></td>
<td>PR: C.I. Advanced course in business terminology and development of advanced language skills. Odd Spring.</td>
</tr>
<tr>
<td>SPM 4410</td>
<td>CAH-LANG</td>
<td>Advanced Spanish Conversation</td>
<td>3(3,0)</td>
<td></td>
<td>PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.</td>
</tr>
<tr>
<td>SPM 4421</td>
<td>CAH-LANG</td>
<td>Advanced Spanish Composition</td>
<td>3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>SPM 4510</td>
<td>CAH-LANG</td>
<td>Spanish Civilization and Culture</td>
<td>3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>SPM 4520</td>
<td>CAH-LANG</td>
<td>Latin American Civilization and Culture</td>
<td>3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>SPM 4780</td>
<td>CAH-LANG</td>
<td>Spanish Phonetics</td>
<td>3(3,0)</td>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>
SPN 4800 CAH-LANG 3(3,0) Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the Spanish language from its 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 criterion when analyzing texts. Taught in Spanish. Occasional.

SPN 5502 CAH-LANG 3(3,0) Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. Occasional.

SPN 5505 CAH-LANG 3(3,0) Spanish Peninsular Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization. Occasional.

SPN 5506 CAH-LANG 3(3,0) Spanish American Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization. Occasional.

SPN 5705 CAH-LANG 3(3,0) Introduction to Spanish Linguistics: PR: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analyses focusing on Spanish morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. Odd Fall.

SPN 5825 CAH-LANG 3(3,0) Spanish Dialectology: PR: Graduate status or senior standing or C.I. Development of phonetic, morphological and syntactic properties. 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 3427 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 3430 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, Narbon, and Calderon. The controversies of the Spanish theatre and its influence abroad are examined. Occasional.

SPW 3432 CAH-LANG 3(3,0) Contemporary Iberian Theatre: PR: SPW 3101 or C.I. A study of the main playwrights and tendencies in contemporary Iberian theatre. Occasional.

SPW 3435 CAH-LANG 3(3,0) Latin-American Narrative Essay: PR: SPW 3100 or SPW 3130 or SPW 3310 or SPW 3370 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 3436 CAH-LANG 3(3,0) Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3130 or SPW 3310 or SPW 3370. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 3437 CAH-LANG 3(3,0) Central American Literature: PR: SPW 3101 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central American literary history. Taught in Spanish. Occasional.

SPW 4450 CAH-LANG 3(3,0) Spanish Literary Theory: PR: SPW 3100 and SPW 3101, or SPW 3310 and SPW 3131, or C.I. A study of textual criticism with emphasis in the theory of genre. Occasional.

SPW 4460 CAH-LANG 3(3,0) Nineteenth Century Spanish Literature: PR: SPW 3101 or C.I. A study of the representative authors and works in Spanish Romanticism, Realism, and Naturalism. Occasional.

SPW 4604 CAH-LANG 3(3,0) Cervantes: PR: SPW 3100 or C.I. Don Quixote. Occasional.

SPW 4720 CAH-LANG 3(3,0) The Generation of 1898: PR: SPW 3101 or C.I. A study of the generation’s main authors and their works. Occasional.

SPW 4730 CAH-LANG 3(3,0) Hispanic Literature of the United States: PR: SPW 3101 or SPW 3131 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.

SPW 4770 CAH-LANG 3(3,0) Caribbean Spanish Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SPW 4772 CAH-LANG 3(3,0) Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3131 or C.I. Analysis and discussion of representative contemporary work of authors who have included the black character as part of their narrative. Occasional.

SPW 4773 CAH-LANG 3(3,0) Puerto Rican Literature: PR: SPW 3100 and SPW 3101 or SPW 3130 and SPW 3311. Puerto Rican Literature from XIX Century to present. Conducted in Spanish. Occasional.

SPW 5741 CAH-LANG 3(3,0) Contemporary Spanish-American Southern Cone Literature: PR: Enrolled in Spanish M.A. Program or C.I. Regional as well as international literary cultures and disciplines in southern cone literature. Occasional.

SSE 3312 ED-TLP 3(3,0) Teaching Social Science in the Elementary School: PR: EDG 4410 or C.I. Selected themes, problems, and concepts; organizing for instruction; techniques, evaluation procedures. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 5103</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>STA 5139</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>STA 5175</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Biometry: PR: STA 2023, graduate status or senior standing, or C.I. Design and analysis of experiments with emphasis on biological/ecological application; one-way and multi-way ANOVA, regression; ordination; classification. Spring.</td>
</tr>
<tr>
<td>STA 5176</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Introduction to Biostatistics: PR: STA 4163 or STA 4173, graduate status or senior standing, or C.I. Fixed-effects model, random-effects model, repeated measures designs, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.</td>
</tr>
<tr>
<td>STA 5205</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Experimental Design: PR: STA 4164, STA 5175 or STA 5210, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication; Incomplete block designs; factorial and fractional designs; design resolution. Spring.</td>
</tr>
<tr>
<td>STA 5206</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Statistical Analysis: PR: STA 2023; not open to students who have completed STA 4164. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation; tests or hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. Fall.</td>
</tr>
<tr>
<td>STA 5505</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Categorical Data Methods: PR: STA 4163 or STA 5206, and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including logistic regression, McNemar’s Test, Mantel-Haenszel test. Occasional.</td>
</tr>
<tr>
<td>STA 5646</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Casualty Insurance: PR: STA 4322 and STA 4641, graduate status or senior standing, or C.I. Individual risk rating and classification of risk for property/casualty insurance. Reinsurance and expense issues. Reserves for insurance and loss adjustment expenses. Investment income. Occasional.</td>
</tr>
<tr>
<td>STA 5703</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>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, Feature Selection, Data Mining, Model Building, Interpretation). Introduction to statistical techniques, computer package usage, data analysis, interpretation. May be repeated for credit. Graded S/U. Occasional.</td>
</tr>
<tr>
<td>STA 5940</td>
<td>COS-STAT</td>
<td>3(1,0)</td>
<td>Statistical Advice for Researchers: PR: Graduate status or senior standing or C.I. Discussion of student-supplied statistical problem, data sources, sampling techniques, computer package usage, data analysis, interpretation. May be repeated for credit. Graded S/U. Occasional.</td>
</tr>
<tr>
<td>STA 5948</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Actuarial Science Practicum: PR: STA 4163 or STA 6185. Study and projects on problems in actual practice: discussions and presentations by practitioners from life insurance, casualty, etc. Occasional.</td>
</tr>
<tr>
<td>SUR 2101C</td>
<td>ECS-CCE</td>
<td>3(2,3)</td>
<td>Surveying: PR: MAC 2311 and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data. Spring.</td>
</tr>
<tr>
<td>SUR 3324C</td>
<td>ECS-ENT</td>
<td>3(3,1)</td>
<td>Digital Cartography: PR: SUR 4380. Coordinate systems, dot maps, data models and map digitizing, multivariate mapping, data measurement, typology, map compilation and map production. Occasional.</td>
</tr>
<tr>
<td>SUR 3331</td>
<td>ECS-ENT</td>
<td>3(3,0)</td>
<td>Photogrammetry: PR: SUR 2104C. Photogrammetry - offered only at community colleges. History of photogrammetry, principles of aerial imaging, digital imaging, geometry of aerial photography, image and object spaces, stereo-parallel and topographic mapping. Occasional.</td>
</tr>
<tr>
<td>SUR 3530C</td>
<td>ECS-ENT</td>
<td>3(2,2)</td>
<td>Geodetic Science: PR: SUR 2104C or C.I. Spherical trigonometry, basic topics in geodesy including geodetic reference systems and earth models, state plane coordinate systems, astronomical observations, time systems, and satellite orbits. Spring.</td>
</tr>
<tr>
<td>SUR 3641</td>
<td>ECS-ENT</td>
<td>3(3,0)</td>
<td>Geodetic Computations: PR: STA 2023 or equivalent. Methods of solving linear equations, theory of matrices, partial differentiation, basic statistical concepts, probability, statistical testing, differential equations, and concepts of error analysis. Occasional.</td>
</tr>
<tr>
<td>SUR 4360C</td>
<td>ECS-ENT</td>
<td>3(3,1)</td>
<td>Digital Photogrammetry: PR: SUR 4380. Frequency representation, image models, digital filtering, image sampling, global image analysis, geometric transformations, convolution, binary image analysis, and image matching fundamentals. Fall.</td>
</tr>
<tr>
<td>SUR 4403</td>
<td>ECS-ENT</td>
<td>3(3,0)</td>
<td>Boundary Location: PR: ET 3550C or C.I. Professional liability, ethics, boundaries creation, property surveying and ownership, retracement surveys, evidence &amp; preservation of evidence, easements, and role of surveyor in court. Occasional.</td>
</tr>
<tr>
<td>SUR 4463</td>
<td>ECS-ENT</td>
<td>3(3,0)</td>
<td>Land Division and Platting: PR: SUR 4420. Land development analysis, regulations and subdivision ordinances, plat recording, development potential evaluation, and site design considerations including topographic, geometric, and plat design specifications. Occasional.</td>
</tr>
<tr>
<td>SYD 3700</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Race and Ethnicity: PR: SYG 2000 or C.I. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall.</td>
</tr>
</tbody>
</table>


Modern Law in Indian Country: PR: SYG 2000 or C.I. The traditional and changing roles of women and men viewed in a sociological perspective. Fall, Spring.

Sex and Gender in Society: PR: SYG 2000 or C.I. The traditional and changing roles of women and men viewed in a sociological perspective. Fall, Spring.


Environment and Society: PR: SYG 2000 or C.I. Applies the sociological perspective and sociological methods of analysis to the relationships between human behavior and the environment. Odd Spring.


Women in Contemporary Society: PR: SYG 2000 or WST 3015 or C.I. Examination and evaluation of the status of women in the context of the major social institutions (e.g., family, education, religion, economy and politics). Fall, Spring.


Environment and Society: PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. Occasional.

Class, Race, and Gender in American Society: PR: Graduate standing or C.I. Using theoretical and empirical studies, this course will provide a sociological examination of the intersections of race, class, and gender in American society. Occasional.

Introduction to Sociology: Scientific study of sociological concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. Fall, Spring.

General Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.

Social Problems: Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. Fall, Spring.


Social Organization and Human Relations: Analysis of business, government, and industrial organizations. Topics include organizational theory, social systems, social structure, effects of technology, motivation, leadership, decision-making, and human relations. Occasional.

Patterns of Mental Health in Society: PR: SYG 2000 or C.I. A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. Occasional.

Social Power and Inequality: PR: SYG 2000 or C.I. Study of class, status and power, cultural variations in stratification systems, patterns of mobility and change. Occasional.

Family Trends: PR: SYG 2000 or SYG 2010 or C.I. Intimate relationships, practices, trends and issues affecting today's marriages and families. Fall, Spring.

Religion in Society: PR: SYG 2000 or C.I. The relationship between the religious institution and social stratification, family, education, as well as issues pertaining to gender, race, ethnicity, and age. Occasional.

Education and Social Achievement: PR: SYG 2000 or C.I. This course examines the sociological dimensions of the educational institutions, including the impact of the social structure on learning and the role of education in social change. Occasional.

Political Sociology: Sociological analysis of political and parapolitical groups, socioeconomic value of voting behavior, power elites; societies and systems of government. Occasional.

Community and Diversity: PR: SYG 2000 and junior standing. The formation of social systems in response to social problems and the implementation of public policy. Emphasis on diverse perspectives and ethical positions and their effect on the form and effectiveness of social systems. Occasional.

Medical Sociology: Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.
UCF Courses and Descriptions

SYP 4004 COS-SOC 3(3,0)
Constructing Social Issues: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of social problems as an empirical process that involves collective definitions and legitimating organizations. Topics include deviance, race, gender and popular culture. Occasional.

SYP 4304 COS-SOC 3(3,0)
Social Movements and Revolutions: PR: SYG 2000 or C.I. Comparative sociology of revolutions and the sociological research on social movements. Occasional.

SYP 4454 COS-SOC 3(3,0)

SYP 4514 COS-SOC 3(3,0)

SYP 4521 COS-SOC 3(3,0)
Crime Victims in Society: PR: SYG 2000, or SYG 2010 or C.I. Crime victims in society; topics include issues related to victimology such as victimization risks and societal treatment of victims. Occasional.

SYP 4536 COS-SOC 3(3,0)
Gangs and Society: PR: SYG 2000 or SYG 2010 or C.I. Gangs in the U.S.; topics include types of gangs, gang members, activities, group processes, and societal responses to gangsm. Occasional.

SYP 4550 COS-SOC 3(3,0)

SYP 4730 COS-SOC 3(3,0)

SYP 4732 COS-SOC 3(3,0)
Minority Aging: PR: SYG 2000 or SYG 3700 or SYG 4730 or C.I. A sociological examination of older populations within minorities: ethnic minorities, women, and gay men and lesbians. Occasional.

SYP 5005 COS-SOC 3(3,0)
Sociological Social Psychology: PR: Graduate standing or C.I. An exploration of sociological social psychological theories and their application in understanding the effects of society and groups on the individual. Occasional.

SYP 5525 COS-SOC 3(3,0)
Sociological Criminology: PR: Graduate standing or C.I. To examine current sociological knowledge and research on various issues in Criminology, and to further students' skills in developing/conducting research projects. Occasional.

SYP 5566 COS-SOC 3(3,0)
Seminar on Domestic Violence: Theory, Research and Social Policy: PR: Graduate status or senior standing or C.I. A sociological examination and evaluation of theories, empirical research and social policy related to the study of domestic violence. Occasional.

SYP 5615 COS-SOC 3(3,0)
Sociology of Culture: PR: Graduate standing or C.I. Major theoretical approaches and empirical studies in the sociology of culture and analysis of cultural processes. Occasional.

SYP 5738 COS-SOC 3(3,0)

TAX 4001 BA-ACCT 3(3,0)
Taxation of Business Entities and Transactions: PR: Junior standing plus completion of ACG 3313 with a grade of "C" or higher. Federal income tax laws affecting the taxation of business entities and transactions. Fall, Spring.

TAX 5015 BA-ACCT 3(3,0)
Advanced Tax Topics: PR: Graduate standing and TAX 4001. Advanced tax issues affecting business entities and their owners, with a primary focus on corporations and partnerships. Occasional.

THE 2000 CAH-THEA 3(3,0)
Theatre Survey: Overview of the art and craft of the theatre. Restricted to non majors. Fall, Spring.

THE 2000H CAH-THEA 3(3,0)

THE 2020 CAH-THEA 3(3,0)
Survey of Theatre for Majors: PR: Theatre major or minor. Overview of the art and craft of theatre. Fall.

THE 2025 CAH-THEA 3(3,0)

THE 2050 CAH-THEA 3(3,0)
Theatre Studies in Creative Drama: PR: Theatre major or minor. Techniques and theories for facilitating creative drama with youth, as both an art form and teaching tool. Occasional.

THE 2081C CAH-THEA 0(1,2)

THE 2090L CAH-THEA 1(0,VAR)
Theatre Participation-Management I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 2304 CAH-THEA 3(3,0)
Script Analysis: PR: Theatre major or minor. Exploration of dramatic form with focus on playscripts for productions. Fall, Spring.

THE 2925L CAH-THEA 0(0,VAR)
Theatre Participation: PR: Theatre major or minor. Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 3212 CAH-THEA 3(3,0)
Global Theatre: PR: Grade of C (2.0) or better required in ENC 1101 or ANT 2000. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. Occasional.

THE 3230 CAH-THEA 3(3,0)
Cultural Diversity in Theatre: PR: C (2.0) or better in ENC 1101 or ANT 2000. Commonality of human experience among various cultural groups through the study of dramatic literature. 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. Origins and evolution of Musical Theatre from the Ancient Greeks through the present day. Occasional.

THE 3311 CAH-THEA 3(3,0)
Theatre History and Dramatic Literature I: 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) or better in THE 3311. 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) or better in THE 3312. Theatre history and drama from modern realism to present. Occasional.

THE 3333 CAH-THEA 3(3,0)

THE 3423 CAH-THEA 3(3,0)
Women in Theatre: PR: Grade of C (2.0) or better in ENC 1101. An overview of women's contributions to theatre. Occasional.

THE 3543 CAH-THEA 3(3,0)
Theatre for Social Change: PR: Grade of C (2.0) or better in ENC 1101. Theatre activist's impact on theatrical art forms. Occasional.

THE 4093L CAH-THEA 1(0,VAR)
Theatre Participation-Management II: PR: Theatre major or minor; "C" (2.0) or better in THE 2000L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 4244 CAH-THEA 3(3,0)
Musical Theatre History II: PR: B.F.A. Musical Theatre major, C (2.0) or better required in THE 2020 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1950s. Fall.

THE 4245 CAH-THEA 3(3,0)
Musical Theatre History I: PR: B.F.A. Musical Theatre major, C (2.0) or better required in THE 2444. Origins and evolution of Musical Theatre from the 1950s through the present. Spring.

THE 4284 CAH-THEA 3(3,0)
Costume, Architecture, Decor History I: PR: "C" (2.0) or better in TPA 2000 and THE 3311 and THE 3312. Costumes, furniture and décor from antiquity to the High Renaissance. Fall.

THE 4285 CAH-THEA 3(3,0)
Costume, Architecture, Decor History II: PR: "C" (2.0) or better in THE 4284. Costumes, furniture and décor from the English Renaissance to the present. Spring.

THE 4954 CAH-THEA 0(0,0)

THE 5205 CAH-THEA 3(3,0)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Department</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 5248</td>
<td>CAH-THEA 3(3.0)</td>
<td>Musical Theatre History</td>
<td>Fall, Spring</td>
<td>PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Venetian opera to the musicals of the modern age. Course will emphasize the work of composers, librettists, and lyricists as well as representative masterworks of a variety of genre. Emphasis will be placed upon historical trends and theatrical viability. Fall.</td>
</tr>
<tr>
<td>THE 5278C</td>
<td>CAH-THEA 1(1.1)</td>
<td>Musical Theatre Lab</td>
<td>PR: TPP 5157C. Practical course in developing musical theatre skills for the actor. Spring.</td>
<td></td>
</tr>
<tr>
<td>THE 5288</td>
<td>CAH-THEA 3(3.0)</td>
<td>Period Costumes and Architecture</td>
<td>PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the Renaissance. Fall.</td>
<td></td>
</tr>
<tr>
<td>THE 5385</td>
<td>CAH-THEA 3(3.0)</td>
<td>Dramatic Literature for Children</td>
<td>PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. Even Fall.</td>
<td></td>
</tr>
<tr>
<td>THE 5910</td>
<td>CAH-THEA 3(3.0)</td>
<td>Research Methods in Theatre</td>
<td>PR: MFA and MA in Theatre. Practice, knowledge, skills and techniques needed by students to conduct research to include organization, styles, footnotes, and bibliographic forms. Fall.</td>
<td></td>
</tr>
<tr>
<td>THE 5945L</td>
<td>CAH-THEA 1(0.20)</td>
<td>Theatre Practicum I</td>
<td>PR: Graduate status or C.I. A laboratory course designed to develop students’ practical working knowledge in Theatre. Occasional.</td>
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<tr>
<td>THE 5946L</td>
<td>CAH-THEA 1(0.20)</td>
<td>Theatre Practicum II</td>
<td>PR: Admission into the graduate program, Theatre Practicum I. A laboratory course designed to develop students’ practical working knowledge in theatre. Occasional.</td>
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<tr>
<td>TPA 2000C</td>
<td>CAH-THEA 2(2.2)</td>
<td>Theatre Design Basics</td>
<td>PR: BFA Design/Technology or Stage Management major. C (2.0) or better required in THE 2000 or THE 2020. Basic design skills for scenic, lighting and costume designers using color, grayscales, textures and symmetry to create a strong stage presence. Fall.</td>
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<tr>
<td>TPA 2010C</td>
<td>CAH-THEA 3(2.2)</td>
<td>Scenography</td>
<td>PR: “C” (2.0) or better in TPA 2000C and BFA Design and Technology or Stage Management major. Introduction to design for the stage, including scenery, light, costumes and sound. Occasional.</td>
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<tr>
<td>TPA 2071C</td>
<td>CAH-THEA 3(2.2)</td>
<td>Theatre Rendering</td>
<td>PR: “C” (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scene, lighting, and costume designers. Spring.</td>
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<tr>
<td>TPA 2201L</td>
<td>CAH-THEA 1(0.6)</td>
<td>Technical Theatre Production Lab</td>
<td>CR: TPA 2201. Practical projects in scenic construction. Occasional. M&amp;S fee: $15.00</td>
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<tr>
<td>TPA 2210L</td>
<td>CAH-THEA 1(0.6)</td>
<td>Stagecraft I Lab</td>
<td>CR: or CR: “C” (2.0) or better in TPA 2210L. Practical projects in scenic construction. Occasional. M&amp;S fee: $45.00</td>
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<tr>
<td>TPA 2211L</td>
<td>CAH-THEA 1(0.6)</td>
<td>Stagecraft II:</td>
<td>PR: “C” (2.0) or better in TPA 2110 and TPA 2111L; CR: TPA 2111L. Hand-drafting, properties design, and construction. Spring.</td>
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<tr>
<td>TPA 2220C</td>
<td>CAH-THEA 3(2.2)</td>
<td>Stage Electronics</td>
<td>PR: or CR: THE 2020 or THE 2000 and BFA Design and Technology or Stage Management major. Introduction to electronics for the stage, including electricity, lighting equipment and sound equipment. Fall, Spring. M&amp;S fee: $20.50.</td>
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<tr>
<td>TPA 2230C</td>
<td>CAH-THEA 2(2.2)</td>
<td>Costume Construction</td>
<td>PR: THE 2020 or THE 2000 and BFA Design and Technology or Stage Management major. Lecture/laboratory study of the basic techniques used in the construction of stage costumes. Spring, M&amp;S fee: $15.00.</td>
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<tr>
<td>TPA 2280C</td>
<td>CAH-THEA 2(2.2)</td>
<td>Makeup Techniques</td>
<td>PR: BFA major or departmental consent. Theory and practice of stage makeup. Fall, Spring. M&amp;S fee: $15.00.</td>
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<tr>
<td>TPA 2290L</td>
<td>CAH-THEA 1(0.20)</td>
<td>Theatre Participation-Production I</td>
<td>PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&amp;S fee: $15.00.</td>
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<tr>
<td>TPA 2600</td>
<td>CAH-THEA 3(3.0)</td>
<td>Stage Management Basics</td>
<td>PR: “C” (2.0) or better in THE 2020 or THE 2000 and BFA Stage Management major. Functions and responsibilities of professional stage managers. Occasional.</td>
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<tr>
<td>TPA 3040C</td>
<td>CAH-THEA 2(2.2)</td>
<td>Costumes for Theatre</td>
<td>PR: THE 2010C or TPA 2220C. Projects in the fundamentals of costume design for the stage. Fall.</td>
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<tr>
<td>TPA 3050C</td>
<td>CAH-THEA 2(2.2)</td>
<td>Scenic Design for Theatre</td>
<td>PR: “C” (2.0) or better in TPA 2000C or TPA 2010C. Projects in the fundamentals of scenic design for the stage. Fall. M&amp;S fee: $37.00.</td>
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<tr>
<td>TPA 3077C</td>
<td>CAH-THEA 3(2.2)</td>
<td>Scene Painting</td>
<td>PR: “C” (2.0) or better in TPA 2000C and TPA 2071C. Projects in scenic painting techniques. Fall, Spring. M&amp;S fee: $45.00.</td>
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<tr>
<td>TPA 3185L</td>
<td>CAH-THEA 3(0.20)</td>
<td>Summer Theatre Studio/Design I</td>
<td>CR: Departmental consent by audition or interview. Continuation of TPA 3185L. May be repeated for credit. Occasional. M&amp;S fee: $20.00.</td>
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<tr>
<td>TPA 3221C</td>
<td>CAH-THEA 3(2.2)</td>
<td>Lighting Design for Theatre</td>
<td>PR: “C” (2.0) or better in TPA 2010C and TPA 2220C. Projects in the fundamentals of lighting design for the stage. Spring. M&amp;S fee: $37.00.</td>
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<tr>
<td>TPA 3249C</td>
<td>CAH-THEA 2(2.2)</td>
<td>Advanced Makeup Techniques</td>
<td>PR: “C” (2.0) or better in TPA 2220C. Lecture/laboratory study of basic techniques needed for the creation of stage and film prosthetics and masks. Occasional. M&amp;S fee: $45.00.</td>
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<tr>
<td>TPA 3260C</td>
<td>CAH-THEA 3(2.2)</td>
<td>Sound Design for Theatre</td>
<td>PR: “C” (2.0) or better in TPA 2010C and TPA 2220C. Projects in the fundamentals of sound design for the stage. Spring.</td>
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<tr>
<td>TPA 3383C</td>
<td>CAH-THEA 2(2.4)</td>
<td>Topics in Technical Theatre</td>
<td>PR: TPA 2230C. Techniques used in the production of scenery or costumes for the stage. Variable Topics. May be used in the degree program a maximum of 5 times. Occasional. M&amp;S fee: $35.00.</td>
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<tr>
<td>TPA 3601</td>
<td>CAH-THEA 3(3.0)</td>
<td>Stage Management</td>
<td>PR: “C” (2.0) or better in TPA 2600. Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. Fall.</td>
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<tr>
<td>TPA 4041C</td>
<td>CAH-THEA 3(2.2)</td>
<td>Costume Design for Theatre I</td>
<td>PR: “C” (2.0) or better in TPA 3040C. A continuation of TPA 3040C. Spring.</td>
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<tr>
<td>TPA 4061C</td>
<td>CAH-THEA 3(2.2)</td>
<td>Scenic Design for Theatre I</td>
<td>PR: “C” (2.0) or better in TPA 3040C. Project scene design work with an emphasis on design visualization, communication and professional standards and practices. Spring. M&amp;S fee: $37.00.</td>
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<tr>
<td>TPA 4224C</td>
<td>CAH-THEA 3(2.2)</td>
<td>Lighting Design for Theatre</td>
<td>PR: “C” (2.0) or better in TPA 3221C. Project lighting design work with an emphasis on visualization of design concepts, professional graphics, and paperwork standards and practices. Occasional. M&amp;S fee: $37.00.</td>
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<tr>
<td>TPA 4250C</td>
<td>CAH-THEA 2(2.2)</td>
<td>CADD for Theatre</td>
<td>PR: “C” (2.0) or better in TPA 2211 and TPA 2211L. Computer-aided drafting and design and its application for Theatre. Fall. M&amp;S fee: $23.00.</td>
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<tr>
<td>TPA 4251C</td>
<td>CAH-THEA 2(2.2)</td>
<td>Advanced CADD for Theatre</td>
<td>PR: “C” (2.0) or better in TPA 4250C. Advanced computer-aided drafting and design and its application for Theatre. Spring. M&amp;S fee: $38.75.</td>
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<tr>
<td>TPA 4264C</td>
<td>CAH-THEA 3(2.2)</td>
<td>Sound Design for Theatre II</td>
<td>PR: “C” (2.0) or better in TPA 3260C. Project sound design work with an emphasis on design communication and professional standards and practices. Occasional.</td>
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<tr>
<td>TPA 4293L</td>
<td>CAH-THEA 1(0.20)</td>
<td>Theatre Participation-Production II</td>
<td>CR: TPA 2200L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&amp;S fee: $15.00.</td>
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<tr>
<td>TPA 435</td>
<td>M&amp;S fee: $45.00</td>
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<td>UCF Courses and Descriptions</td>
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TPA 4401C CAH-THEA 3(2,2)  
**Theatre Careers in Production:** PR: B.F.A. Design/Tech or Stage Management. Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Spring.

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 3801. Skills necessary for stage managers in contemporary entertainment. Fall.

TPA 5029C CAH-THEA 3(2,2)  
**Lighting Design Studio:** PR: TPA 5042C and TPA 5062C. Advanced work in the process of designing light for the stage with an emphasis on the use of light as artistic expression. Occasional.

TPA 5042C CAH-THEA 3(2,2)  
**Costume Design Studio:** PR: Admission to the graduate program in Theatre or C.I. Project oriented course in the advance study of Costume Design. Occasional.

TPA 5062C CAH-THEA 3(2,2)  
**Scene Design Studio:** PR: Graduate status or C.I. Advanced work in the conceptualization and communication of scenic designs for the theatre. Spring.

TPA 5081C CAH-THEA 3(3,3)  
**Design Concepts for Youth Theatre:** PR: Admission to the graduate program in Theatre or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre. Odd Spring.

TPA 5085C CAH-THEA 2(2,2)  
**Design Seminar for Theatre:** PR: Admission into Theatre MFA Design track. Scenic, costume, lighting and sound design for theatre. Occasional.

TPA 5095C CAH-THEA 1(1,1)  
**Rendering for Theatre I:** PR: Admission to the graduate program in Theatre or C.I. Traditional visual communication skills necessary for scenic, costume, and lighting design. Fall.

TPA 5175C CAH-THEA 1(1,1)  
**Rendering for Theatre II:** PR: TPA 5095C. Software and technology available for visual communication and documentation. Spring.

TPA 5345C CAH-THEA 2(2,2)  
**2D Computer Assisted Design for Theatre:** PR: Admission into the Theatre MFA Design track. Two-Dimensional computer drafting and editing techniques applicable to theatre design. Occasional.

TPA 5346C CAH-THEA 2(2,2)  
**3D Modeling for Theatre:** PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable for theatre design. Occasional.

TPA 5405 CAH-THEA 3(3,0)  
**Theatre Management for Non-Majors:** PR: THE 200 or THE 2000, graduate status, or C.I. Study of university community and professional theatre management with special attention to the principles of management to include management skills/function and organizational systems/performance as they relate to theatre organizations/instutitions. Fall.

TPA 5885C CAH-THEA 2(2,2)  
**Puppetry:** PR: Admission to MFA graduate program or C.I. Puppetry as an art form in design and performance. Odd Spring. M&S fee: $30.00

TPA 5946C CAH-THEA 1(0,20)  
**Design Practicum I:** PR: Admission into the MFA Design program. Practical experience as a member of the production team as a prop master or assistant scenic, costume, lighting, or sound designer. Occasional.

TPA 5949C CAH-THEA 1(0,20)  
**Design Practicum II:** PR: Admission into the graduate program and TPA 5946C or C.I. Advanced work in the practical application of Properties and/or Design for the Theatre. Occasional.

TP 2101 CAH-THEA 3(3,0)  
**Fundamentals of Acting I:** PR: B.A. Theatre Major or minor, and C (2.0) or better in THE 200 or THE 2000. Development of imagination, self-awareness and the ability to execute basic stage tasks. Fall, Spring.

TP 2110C CAH-THEA 3(2,2)  
**Acting I - Introduction:** PR: B.F.A. Theatre major, C (2.0) or better required in THE 200 or THE 2000. Development of imagination, self-awareness, and the ability to execute basic stage tasks. Fall, Spring.

TP 2170C CAH-THEA 3(2,2)  
**Acting II - The Actor Prepares:** PR: C (2.0) or better in TP 2110C. Fundamental techniques to acting, with emphasis on characterization and character development. Fall, Spring.

TP 2185 CAH-THEA 3(3,0)  
**Acting for Non-majors:** Introduction to the fundamentals of acting. Fall, Spring.

TP 2190L CAH-THEA 1(0,VAR)  
**Theatre Participation - Performance I:** PR: Theatre major and C (2.0) or better required in THE 3312. Participation in UCF Theatre productions. May be repeated for credit 8 times. Fall, Spring. M&S fee: $15.00

TP 2260 CAH-FILM 3(3,0)  
**Acting for Film:** PR: TFA Majors. An introduction to acting for the camera. Occasional.

TP 2700C CAH-THEA 3(2,2)  
**Stage Speech/Voice:** PR: BA Theatre major or minor and C (2.0) or better in THE 2000 or THE 2000. Practical stage voice as it applies to performance. Credit cannot be applied towards BFA acting and musical theatre majors. Fall.

TP 2710C CAH-THEA 2(2,1)  
**Voice Production I:** PR: BFA acting major. Lessac, Skinner, phonetcs, and the vocal apparatus. Fall.

TP 3103 CAH-THEA 3(3,0)  
**Intermediate Acting:** PR: B.A. Theatre major or minor and C (2.0) or better in TPA 2101. Practice and execution of scene work, monologue work, and exercises. Occasional.

TP 3172C CAH-THEA 3(2,2)  
**Acting III - Building the Character:** PR: Grade of C (2.0) or better required in TPA 2170C. Reinforcement of acting techniques begun in Acting II, with emphasis on character- ization and character development. Spring.

TP 3197L CAH-THEA 3(0,VAR)  
**Summer Theatre/Performance:** PR: Audition/interview or departmental consent. Production assignments and responsibilities during the rehearsals/performances of play scripts produced on the UCF mainstage. May be used in the degree program a maximum of 8 times. Occasional. M&S fee: $20.00

TP 3250 CAH-THEA 3(2,2)  
**Musical Theatre Acting I:** PR: B.F.A.Musical Theatre major, and C (2.0) or better required in TPA 2110C. Practical acting techniques with solo musical theatre repertoire. Fall.

TP 3252 CAH-THEA 3(2,2)  
**Musical Theatre Acting II:** PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPA 3250. Practical acting technique as it applies to musical theatre scene study. Spring.

TP 3257C CAH-THEA 2(2,2)  
**Musical Theatre Voice I:** PR: B.F.A. Musical Theatre major, and C (2.0) or better in THE 2000 or THE 2000. Craft of singing including anatomy, physiology, and diction utilizing musical theatre repertoire. Spring.

TP 3258C CAH-THEA 2(2,2)  
**Musical Theatre Voice II:** PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPA 3257C. Antrophy of singing including function of music and lyrics, and problems in song interpretation utilizing musical theatre repertoire. Fall.

TP 3264C CAH-THEA 3(3,2)  
**Acting on Camera:** PR: BA Theatre Major; a C (2.0) or better in TPA 2101, TPA 3103, and THE 2000. Preparing the actor for professional work in the TV/Film industry. Occasional.

TP 3310C CAH-THEA 3(2,2)  
**Directing for Theatre:** 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/differentization, blocking, tempo, and rehearsal planning. Fall, Spring.

TP 3510C CAH-THEA 2(2,1)  
**Movement for the Actor:** PR: B.F.A Acting Major. Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more expressive body. Fall.

TP 3512C CAH-THEA 2(2,1)  
**Stage Combat:** PR: Grade of C (2.0) or better required in TPA 4831C. Stage combat with emphasis on hand-to-hand combat. Spring.

TP 3513C CAH-THEA 2(2,1)  
**Movement for the Actor II:** PR: C (2.0) or better in TPA 3510C. Reinforcement of the techniques of TPA 3510C. Fall.

TP 3711C CAH-THEA 2(2,1)  
**Voice Production II:** PR: C (2.0) or better in TPA 2710C. Reinforcing stage voice awareness introduced in TPA 2710C, focusing on a physical approach to acting texts. Spring.

TP 3712C CAH-THEA 2(2,1)  
**Voice Production III:** PR: C (2.0) or better in TPA 3711C. Emphasis on study of Shakespearean and heightened language. Fall.

TP 3730C CAH-THEA 2(2,1)  
**Voice Production IV:** PR: Grade of C (2.0) or better required in TPA 3712C. Analysis of dialects and regionalisms, reinforcing the study of phonetics, placement, and vocal apparatus. Fall.

TP 3952L CAH-THEA 3(0,VAR)  
**Summer Studio Performance:** PR: Audition/interview or departmental consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Occasional. M&S fee: $20.00

TP 4140C CAH-THEA 3(2,2)  
**Acting IV - Creating the Role:** PR: C (2.0) or better in TPA 3172C. Continued exploration and application of acting techniques through scene study. Fall.

TP 4142C CAH-THEA 3(2,2)  
**Acting V - Verbe:** PR: Grade of C (2.0) or better in TPA 4140C. Verbe drama with particular emphasis placed on scenarion and verse in the plays of William Shakespeare. Spring.

TP 4143C CAH-THEA 3(2,2)  
**Acting Styles:** PR: C (2.0) or better in TPA 3103 or TPA 4140C. An advanced and comprehensive view of acting styles. Occasional.
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TPP 4193L CAH-THEA 1(0,VAR)
Theatre Participation-Performance II: PR: Theatre major or minor and C (2.0) or better in TPP 2130L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee: $15.00

TPP 4221 CAH-THEA 3(3,0)
Auditioning: PR: C (2.0) or better in TPP 4193L or TPP 4140C. Selecting monologues, auditioning techniques and cold readings. Occasional.

TPP 4223C CAH-THEA 3(2,2)
Theatre Careers for Performance: PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. Spring.

TPP 4243 CAH-THEA 2(2,2)
Circus Arts: PR: Theatre major or minor; C (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244 CAH-THEA 3(2,2)
The Art of Storytelling: PR: Theatre major or minor; C (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Application of theatrical storytelling as an art form. Occasional.

TPP 4253C CAH-THEA 3(2,2)
Musical Theatre Acting III: PR: B.F.A. Musical Theatre major, and a C (2.0) or better in TPP 3252 and TPP 3258C. Advanced work in cabaret/person construction and performance with an emphasis on show preparation. Occasional.

TPP 4259C CAH-THEA 2(2,2)
Musical Theatre Voice III: PR: C (2.0) or better in TPP 3252 and TPP 3258C. Diagnosis and remedy of unique vocal challenges utilizing musical theatre repertoire. Individualized instruction. Spring.

TPP 4265C CAH-THEA 3(3,2)
Acting VI - Acting for TV/Film: PR: C (2.0) or better in TPP 4142C. Application of previous acting training to the TV/Film medium. Fall.

TPP 4268C CAH-THEA 3(3,2)
Acting VII Advanced Acting For TV/Film: PR: C (2.0) or better in TPP 4265C. A practical, detailed, and structured approach to acting for the camera by working on a TV/Film project. Spring.

TPP 4270C CAH-THEA 2(2,2)
Music Theatre Voice V: PR: C (2.0) or better in TPP 4023C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. Spring.

TPP 4271C CAH-THEA 2(2,2)
Music Theatre Voice VI: PR: C (2.0) or better in TPP 4270C. Continuation of TPP 4270C and its application to musical theatre performance. Individualized instruction. Fall.

TPP 4311C CAH-THEA 3(2,2)

TPP 4531C CAH-THEA 2(2,1)
Period Movement: PR: Grade of C (2.0) or better required in TPP 3172C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4746C CAH-THEA 2(2,2)

TPP 4923C CAH-THEA 2(2,2)
Musical Theatre Voice IV: PR: C (2.0) or better in TPP 4295C. Continuation of diagnosis and development of the singing voice using methods in-context and out-of-context presentation, stylization utilizing musical theatre repertoire. Individualized instruction. Fall.

TPP 4940L CAH-THEA 6(0,VAR)

TPP 5125C CAH-THEA 2(2,2)
Improv/Studio: PR: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop self-discipline, creative freedom and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA 3(2,2)
Acting Studio II: PR: Admission to Theatre MFA Acting or Musical Theatre Track. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. Fall, Spring.

TPP 5157C CAH-THEA 3(2,2)
Acting Studio I: PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of modern (1850+) European playwrights with emphasis on the works of Ibsen/ Chekhov/Shaw. Spring.

TPP 5246C CAH-THEA 2(2,2)
Circus Arts: PR: Admission to Theatre graduate program or C.I. Circus skills and history. Even Spring.

TPP 5248C CAH-THEA 2(2,2)
Storytelling as a Theatrical Art Form: PR: Admission to Theatre graduate program or C.I. Application of storytelling as an art form. Spring.

TPP 5273C CAH-THEA 2(2,0)
Musical Theatre Acting I: PR: TPP 5157C. Integrated study in musical theatre acting, singing and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textual and musical interpretation. Occasional.

TPP 5289C CAH-THEA 2(2,3)
Acting Methodologies: PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. Even Fall.

TPP 5386C CAH-THEA 3(3,3)
Directing for Young Audiences: PR: THE 5910 and THE 5385. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.

TPP 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 5545C CAH-THEA 2(2,4)
Musical Theatre Dance I: PR: MFA Musical Theatre Majors. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. Fall.

TPP 5555C CAH-THEA 2(2,4)
Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. Spring.

TPP 5715C CAH-THEA 2(2,1)
Stage Voice II: 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 III: PR: Admission to the MFA Performance program and TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner’s narrow transcription and application of voice to musical theatre performance placing particular emphasis upon vocal technique. Fall.

TPP 5935C CAH-THEA 2(2,2)
Contemporary Practices in Youth Theatre: PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times. Odd Spring.

TSL 3346 CAH-LANG 3(3,0)
English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. Fall, Spring.

TSL 4080 ED-TLP 3(3,0)
Theory and Practice of Teaching ESOL Students in Schools: PR: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL). ESOL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL. Fall, Spring.

TSL 4240 CAH-LANG 3(3,0)

TSL 5085 ED-TLP 3(3,0)
Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5325 CAH-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 5345 ED-TLP 3(3,0)
Methods of ESOL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.

TSL 5376 CAH-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 5389 CAH-LANG 3(3,0)
Computers and Technology for ESOL: PR: Graduate standing or C.I. Emphasizes research in computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.
UCF Courses and Descriptions

TSL 5255 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 TELF: PR: Graduate status or senior standing or C.I. Address issues specifically related to TELF, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 4004 ECS-CEE 4(4,0)

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, signals, signs, and markings. Occasional.

TTE 5700 ECS-CEE 3(3,0)

TTE 5805 ECS-CEE 3(3,0)
Geometric Design of Transportation Systems: PR: TTE 4004 or C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.

TTE 5835 ECS-CEE 3(3,0)
Pavement Design: PR: CEG 4011C. Pavement types, wheel loads, stresses in pavement components; design factors, such as traffic configurations, environment, and economy. Occasional.

VIC 3001 COS-COMM 3(3,0)
Visual Communication: PR: Journalism major or department consent. A study of human visual systems and influences of 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 2012H CAH-HIST 3(3,0)
World Civilization I - Honors: PR: Permission of Honors. The rise and decline of world civilizations from antiquity to the great civilizations of medieval times. Honors content. Occasional.

WOH 2022 CAH-HIST 3(3,0)
World Civilization II: A study of the modernization process from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western civilizations of the time. Fall, Spring.

WOH 2022H CAH-HIST 3(3,0)
World Civilization II - Honors: PR: Permission of Honors. Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western civilizations of the time. Honors content. Occasional.

WST 3015W CAH-WOM 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 3015H CAH-WOM 3(3,0)

WST 3020 CAH-WOM 3(3,0)
Girls' Studies: PR: ENC 1102, Girls, and a strong background, field study in Women's Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. Occasional.

WST 3371 CAH-WOM 3(3,0)
Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership styles, obstacles facing women leaders, and learning from women leaders. Occasional.

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)

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 3522 CAH-WOM 3(3,0)
First and Second Wave Feminisms: PR: ENC 1102. History of Western feminist thought, from the late eighteenth century to the 1980s, through texts by First and Second Wave Feminists. Occasional.

WST 3561 CAH-WOM 3(3,0)
Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.

WST 3621 CAH-WOM 3(3,0)
Theories of Masculinity: PR: ENC 1102. Masculinity from feminist perspectives, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

WST 4002 CAH-WOM 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.

WST 4021 CAH-WOM 3(3,0)

WST 4349W CAH-WOM 3(3,0)

WST 4415W CAH-WOM 3(3,0)

WST 5347 CAH-WOM 3(3,0)
Research Seminar in Gender Studies: PR: Graduate status or senior standing, or C.I. Research seminar exploring relationships among feminist theory, research, and social change, the development of gender studies programs and their relationships to other academic disciplines. Occasional.

WST 5601 CAH-WOM 3(3,0)
Theories in Gender Studies: PR: Graduate standing. Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.

ZOO 3701C COM-M&M 3(1,4)
Human Gross Anatomy & Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach students the skills required for the preparation of three dimensional materials/specimens. The primary student population should be junior/senior pre health professional applicants preparing for the basic medical sciences of professional schools. Spring. M&S fee: $45.00

ZOO 3713C COS-BIOL 5(3,6)
Comparative Vertebrate Anatomy: PR: BSC 2101C and BSC 2101C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic relationships. Fall. M&S fee: $55.00

ZOO 3733C COM-M&M 4(3,3)
Human Anatomy: PR: BSC 2101C or equivalent. Structure of the human body. Fall, Spring. M&S fee: $15.00

ZOO 3733H COM-M&M 4(3,3)
Honors Human Anatomy: PR: BSC 2101C or equivalent and Consent of Honors. Basic and functional anatomy in a clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Consent. Spring.

ZOO 3736C COM-M&M 4(3,2)
Exercise Physiology Anatomy: PR: BSC 2101C. C.I. Gross anatomy for exercise physiology majors. Fall, Spring. M&S fee: $15.00

ZOO 3744 COM-M&M 3(3,0)
Neurobiology: PR: BSC 2101C. Biological principles governing the physiology of the nervous system, including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall, Spring.

ZOO 4205C COS-BIOL 4(3,3)

ZOO 4310C COS-BIOL 4(2,6)
Vertebrate Evolution & Ecology: PR: BSC 2101C, BSC 2101C, 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 4605 COM-M&M 3(3,0)

ZOO 4704C COM-M&M 4(3,1)
Clinical Neuroanatomy and Neuroscience: PR: ZOO 3733C with a B (3.0) or better. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Fall.

ZOO 4704H COM-M&M 4(3,2)
Honors Clinical Neuroanatomy: PR: ZOO 3733C and Honors consent. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Occasional.

ZOO 4747C COM-M&M 4(3,1)
Clinical Neuroscience: PR: ZOO 3744 or ZOO 4704C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.

ZOO 4747H COM-M&M 4(3,1)
Clinical Neuroscience Honors: PR: ZOO 3744 or ZOO 4704C and consent of Honors. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology and neurodiagnostics with Honors content. Spring.

ZOO 4753C COM-M&M 4(3,3)
Vertebrate Histology: PR: ZOO 3733C. Microanatomical detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal-tissue microtechnique. Spring. M&S fee: $25.00

ZOO 5456C COS-BIOL 4(2,6)
Ichthyology: PR: ZOO 4310C, and graduate status or senior standing or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. Occasional. M&S fee: $25.00

ZOO 5463C COS-BIOL 4(2,4)
Herpetology: PR: PCB 3044 or PCB 4683 or equivalent. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. Odd Spring. M&S fee: $15.00

ZOO 5465L COS-BIOL 3(0,6)
Field Ornithology: PR: PCB 3044 and graduate standing or C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systematics. Occasional. M&S fee: $30.00

ZOO 5486C COS-BIOL 4(2,6)
Mammalogy: PR: 6 hours of Zoology, and graduate status or senior standing, or C.I. Introduction to the biology of mammals, their classification, evolution, and life histories. Occasional. M&S fee: $15.00

ZOO 5745C COM-M&M 4(3,3)
Essentials of Neuroanatomy: PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. Occasional. M&S fee: $15.00

ZOO 5748C COM-M&M 5(3,2)
Clinical Neuroanatomy: PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. Fall.

ZOO 5881C COS-BIOL 4(3,4)
Fisheries Management: PR: ZOO 4310C, graduate status or senior standing, or C.I. Fisheries management of freshwater environments to include identification, sampling methods, farming and hatchery operations, propagation and population estimates. Occasional. M&S fee: $20.00
The date indicates the first year of employment at the University of Central Florida.

ABBAS, HADI, Assistant Professor of Art (1995), B.F.A., M.F.A. (Wichita State University)

ABDALLAH, NAZH, Lecturer School of Electrical Engineering and Computer Science (2005), Ph.D. (University of Paris)

ABDEL-ATY, MOHAMED, Professor of Engineering (1995), B.S.C.E., M.S.C.E., Ph.D. (University of California at Davis), P.E. (Florida)

ABEL, EILEEN M., Associate Professor of Social Work (1978), A.B., M.S.W., Ph.D., (Case Western Reserve University)

ABRAHAM, CHARLIE, Associate Professor of Art (1996), B.F.A., M.F.A. (University of Massachusetts)

ADAMS, JOANNE, Visiting Associate Professor of Digital Media (2008), B.F.A, M.F.A (University of Florida)

ADAMS, KENNETH, Professor of Public Affairs (2002), Ph.D (State University of New York at Albany)


ALANGARI, RAHELEH, Instructor (2007), M.D. (Carol Davila University of Medicine and Pharmac), Ph.D. (University of Salamanca)


AHERN, NANCY, Assistant Professor, College of Nursing (2004), M.S.N., Ph.D. (University of Central Florida)

AJAYI, RICHARD A., Associate Professor of Finance (1996), B.Sc., M.B.A., Ph.D. (Temple University)

AKITA, KIMIKO, Assistant Professor of Communication (2005), B.A., M.A., Ph.D. (Ohio University)

AL-DEEK, HAITHAM, Professor of Engineering (1992), B.C.E., M.S., Ph.D. (University of California at Berkeley), P.E. (Florida)

ALABI, FORTUNE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

ALBERS-BIDDLE, JUNIE, Instructor of Education (2001), B.A., M.A. (University of Central Florida)

ALDERMAN, BARBARA, Assistant Librarian (2002), B.A., M.S. (Florida State University)

ALEXANDER-SNOW, MIA, Assistant Professor of Education (2008), B.A., M.Ed., Ph.D. (Vanderbilt University)

ALI, TARIG, Assistant Professor of Engineering Technology (2006), B.S., M.S., Ph.D. (Ohio State University)

ALLEN, FRANK R., Associate Director for Administrative Services (1998), B.A., B.S., M.B.A., M.L.S. (University of Tennessee)

ALLEN, JEFFERY W., Associate Professor of Marketing (1990), B.S., M.B.A., D.B.A. (University of Kentucky)

ALLEN, KAY WILLIAMSON, Associate Professor of Education (1990), B.S., M.Ed., Ph.D. (University of South Carolina)

ALLGOOD, JANÉ, Graduate Coordinator and Assistant Professor of Social Work (2002), B.A., M.S.W., Ph. D. (Florida State University)

ALLRED, KELLY, Assistant Professor, College of Nursing (2007), B.S.N., M.S.N., Ph.D. (University of Central Florida)

ALMEIDA, JOHN A., Associate Professor of Music (1997), B.M., M.A. (Appalachian State University)

ALRUTZ, MEGAN, Assistant Professor of Theatre (2004), B.F.A., Ph.D. (Arizona State University)

ALVAREZ, DIANE E., Assistant Professor of Education (2003), B.A., M.A., M.A., Ph.D. (UNIVERSITY OF CALIFORNIA)

AMBROSE, MAUREEN L., Professor of Management (1999), B.A., M.M., Ph.D. (University of Illinois at Urbana-Champaign)

AMIDJ, CHRISTINA, Instructor, College of Nursing (2008), B.S.N., M.S.N. (Loyola University of Chicago)

AN, LIN, Associate Professor of Engineering (2001), Ph.D. (Lehigh University)

ANDREASEN, JANET, Visiting Assistant Professor of Education (2005), B.A., M.A., Ed.D. (University of Central Florida)

ANDREWS, DIANE, Assistant Professor, College of Nursing (2006), R.N., Ph.D. (University of Central Florida)

ANGELOPoulos, THEODOR, Professor of Health Sciences and Secondary Joint Professor of Medicine (1998), B.S., M.S., Ph.D. (University of Pittsburgh)

ANGLEY, PATRICIA, Instructor of English (1998), B.A., M.A., Ph.D. (University of Hawaii)

ANTON, WILMA, Assistant Professor of Economics (2001), B.S., M.S., ABD (University of Illinois)

APPLEGATE, BRANDON, Associate Professor of Criminal Justice (1996), B.S., M.S., Ph.D. (University of Cincinnati)

APPLEN, J.D., Associate Professor of English (1997), B.S., M.F.A., Ph.D. (University of Arizona)

ARK, PAMELA, Assistant Professor, College of Nursing (2004), R.N., Ph.D. (University of Tennessee, Memphis)

ARONI, KAREN, Professor, College of Nursing (2008), B.S., M.S., Ph.D. (University of Washington)

ARTHUR, MICHAEL A., Head, Acquisitions & Collections and Assistant Librarian (2006), B.S., M.L.S., M.P.A. (Old Dominion University)

ASHLEY, ROBERT A., Assistant Professor of Hospitality Management (1984), B.S., M.S. (Florida International University, C.C.E., C.C.E.)

ATKINSON, TOM, Visiting Assistant Professor of Education (2006), B.M.E., M.S.E., Ph.D. (Louisiana State University)

AVNI, DORA, Visiting Instructor of Hebrew (2007), B.A., M.A. (Ohio State University)

AZIMI, CYRUS, Lecturer of Psychology (2008), B.S., M.A., Ph.D. (Michigan State University)

BAGLEY, GEORGE M., Associate Professor of Communication (1994), B.A., M.A. (University of Utah)

BAI, HIAYAN, Assistant Professor of Education (2006), B.A., M.A., Ph.D. (University of Cincinnati)

BAILEY, CHARLES D., Professor of Accounting (1991), B.B.A., M.B.A., M.P.A., Ph.D. (Georgia State University)

BALL, I. CORI, Courtesy Assistant Professor of Obstetrics & Gynecology (2008), M.D.

BAKER, BARRY B., Director, University Libraries (1997), B.A., M.L.S. (Louisiana State University)


BALLANTYNE, JOHN, Associate Professor of Chemistry (1999), B.S., M.S., Ph.D. (State University of New York at Stony Brook)

BARR, SARAH, Assistant Professor of Anthropology (2007), Ph.D. (University of Colorado)

BARFIELD II, RUFUS, Associate Professor of Communication (1998), B.A., M.A., Ph.D. (Howard University)

BARNES, THOMAS, Courtesy Assistant Professor of Family Medicine (2008), M.D.

BARONE, BRIAN, Instructor of Italian (2006), B.A., M.A. (University of Notre Dame)

BARRETT, AMY, Extenshion Coordinator and Instruction of Communication Sciences and Disorders (2004), B.S., M.A. (University of Central Florida)

BARRETT, NADINE, Assistant Professor of Sociology (2007), B.A., M.A., M.S., Ph.D. (Texas Woman's University)

BARRINGER, BRUCE, Assistant Professor of Management (1995), B.S., M.B.A., Ph.D. (University of Missouri-Columbia)

BARTKEVICIUS, JOCelyn, Associate Professor of English (1994), B.A., M.A., M.F.A., Ph.D. (University of Iowa)

BASCO, BUENAVENTURA B., Associate Librarian (1998), B.S.I.E., M.B.A., M.A.I.S. (University of South Florida)

BASSIOUNI, MOSTAFa, Professor School of Electrical Engineering and Computer Science (1984), B.S., M.S., Ph.D. (Pennsylvania State University)

BAST, CAROL M., Associate Professor of Legal Studies (1992), B.A., M.A., J.D. (New York Law School)

BAUS, SATISH, Assistant Professor of Engineering (2007), Ph.D. (University of Connecticut)

BATARSEH, ISSA E., Director and Professor School of Electrical Engineering and Computer Science (1991), B.S., M.S., Ph.D. (University of Illinois at Chicago), P.E. (Florida)

BATES, TODD, Visiting Instructor of Philosophy (2005), B.A., B.A., Ph.D. (University of Pennsylvania)

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DIXON, GEORGE J., Assistant Professor of Engineering
(1989), B.S., B.S., M.S., Ph.D. (University of South Florida)

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DOMBRowski, PAUL M., Professor of English

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(1980), R.N., M.S.N. (University of Florida)

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<th>Name</th>
<th>Title</th>
<th>Institution</th>
<th>Year of Degree/Title</th>
<th>Field of Study</th>
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<td>MARTIN, EDUARDO</td>
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GENNARO, ROBERT N., Associate Director, Burnett School of Biomedical Sciences; Professor Emeritus of Molecular Biology and Microbiology (1970), Ph.D. (Texas A&M University)
GRIFFITH, HAROLD L., Professor Emeritus of Engineering Technology (1972), B.S., M.S. (Pennsylvania State University), P.E. (Florida)
HOSLER, ERIC L., Professor Emeritus of Engineering (1979), B.Ch. E., M.S., Ph.D. (University of Illinois), P.E. (Florida)
HosNi, DJEHAne, Associate Professor Emerita of Economics (1977), B.A., M.A., Ph.D. (University of Arkansas)
HosNi, YASSER A., Professor Emeritus of Engineering (1976), B.S.M.E., M.S., Ph.D. (University of Arkansas), P.E. (Florida)
HudoLLeTTHoM, THoMAs J.R., Vice President Emeritus for Marketing, Communications and Admissions (1993), B.S., M.S., Ed.D. (Michigan State University)
HudsoN, PHyllIS J., University Librarian Emerita (1972), B.S., M.S.L.S. (University of Illinois)
JoHNsoN, WiLLiAM H., Professor Emeritus of Education (1986), B.S., M.Ed., Ph.D. (Kent State University)
JoNES JR., HALEY R., Professor Emeritus of Management (1982), B.A., M.S., Ph.D. (Pennsylvania State University)
JuGe, FRANK E., Professor Emeritus of Chemistry (1968), B.S., Ph.D. (University of Arkansas)
KERSToN, ROBERT D., Dean Emeritus and Professor Emeritus of Engineering (1980), B.S., M.S., Ph.D. (Northwestern University), P.E. (Florida, Arizona, and Oklahoma)
KoVENiNG, JAMES L., Professor Emeritus of Biology (1971), B.A., M.A., Ph.D. (University of Iowa)
KuHN, DaViDT, Professor Emeritus of Biology (1970), B.A., M.S., Ph.D. (Arizona State University)
LeCKIE, SHIRLEY A., Professor Emeritus of History (1985), B.A., M.A., Ph.D. (University of Toledo)
LILiE, STUART A., Associate Professor Emeritus of Political Science (1972), B.A., Ph.D. (Johns Hopkins University)
LLEwELLYN, RALPH A., Professor Emeritus of Physics (1980), B.S., Ph.D. (Purdue University)
MAzDEN, BROOKS C., Professor Emeritus of Chemistry (1970), B.S., M.S., Ph.D. (Ohio University)
MAzLE, LINDA C., Professor Emeritus of Engineering Science (1979), B.S., M.S., Ph.D. (Virginia Polytechnic Institute and State University)
MAzTHews, BRUCE E., Professor Emeritus of Engineering (1969), B.E.E., M.S.E., Ph.D. (University of Florida), P.E. (Florida)
MAzTsoNN, GYU C., Professor Emeritus of Chemistry (1969), B.S., Ph.D. (University of Florida)
MaCBreyer, JAMES D., Professor Emeritus of Engineering (1990), B.S.A.E., M.S., Dipl., D.Sc. (Washington University), P.E. (Florida, Missouri, Ohio)
McGEE, WiLLiAM W., Professor Emeritus of Forensic Science (1968), B.S., M.S., Ph.D. (University of Florida)
Courtesies Appointments

ANDERSON, MICHAEL, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

ANGELIS, MICHAEL, Courtesy Associate Professor of Surgery - Med. Ed. (2007), M.D.

ARLEN, PHILIP A., Courtesy Assistant Professor (2008), Ph.D.

ARSENE, ANDREEA, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

AWE, JAIME J., Courtesy Professor of Anthropology (2007), Ph.D.(University of London)

BAIDAS, SAID, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

BAKER, JAMES, Courtesy Professor of Surgery - Med. Ed. (2007), M.D.

BALAJI, GOBIVENKATA, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

BALLANTyne, JOHN, Associate Professor of Chemistry/Forensic Science (1998), Ph.D. (State University of New York at Stony Brook)

BANCROFT, LAURA, Courtesy Professor of Radiology (2008), M.D.

BANEY, RICHARD, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

BARNARD, BRIAN, Courtesy Assistant Professor of Otolaryngology (2008), M.D.

BARNES, ELENA, Assistant Professor of Internal Medicine (2007), M.D.

BAROUH, ISSA, Courtesy Assistant Professor of Plastic Surgery (2008), M.D., F.A.C.S.

BAYLOR, JEFFREY, Courtesy Assistant Professor of Otolaryngology (2008), M.D.

BEACH, KEVIN, Assistant Research Professor of Biology (2001), B.S., Ph.D. (University of Hawaii at Manoa)

BECCHER, MARK, Assistant Professor of Orthopaedic Surgery (2007), M.D.

BEFFIELD, KEVIN D., Secondary Joint Professor of Optics & Photonics, and Biomolecular Science Center: CREOL & FPCE (1998), Ph.D. (Syracuse University)

BELLO, DAVID, Courtesy Associate Professor Biomolecular Science Center (2006), M.D. (Central University of Venezuela)

BELNICK, LUCILLE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

BENTON, JANE, Courtesy Assistant Professor of Pediatrics (2008), M.D.

BETTINGER, TAMARA, Assistant Professor of Biology (2003), (Oklahoma State University)

BHAMBRI, RAJIV, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

BHULLER, AMANPREET, Courtesy Assistant Professor of Obstetrics & Gynecology (2008), M.D.

BIELITZKI, JOSEPH, Secondary Joint Professor Biomolecular Science Center (2006), D.V.M. (University of Illinois at Urbana-Champaign)

BIGSBY, GLENN, Courtesy Assistant Professor of Obstetrics & Gynecology (2008), D.O.

BILLINGS, JOSEPH B., Clinical Faculty, Athletic Training; Courtesy Assistant Professor of Orthopaedic Medicine (2006), M.D.

D.O. (Philadelphia College of Osteopathic Medicine)

BIRENBAUM, DALE, Courtesy Assistant Professor of Medicine (2008), M.D.

BIRNBAUM, MARK, Courtesy Assistant Professor of Orthopaedic Surgery (2008), M.D.

BISHOP, LARRY, Courtesy Assistant Professor of Dermatology (2009), M.D.

BISSET, ROBERT, Courtesy Assistant of Family Medicine (2008), M.D.

BLOCH, JONATHAN, Courtesy Assistant Professor of Surgery (2008), M.D.

BLOCK, ERNEST, Courtesy Professor of Surgery (2008), M.D.

BOBSTUC, GEORGE, Courtesy Assistant Professor of Neurology (2008), M.D.

BONDAR, MYKHAILO, Visiting Assistant Professor of Chemistry B.S., M.S., Ph.D. (Institute of Physics, Kiev, Ukraine)

BORRERO, JOSE, Courtesy Assistant Professor of Surgery (2008), M.D.

BOSSHARDT, RICHARD, Courtesy Assistant Professor of Surgery - Med. Ed. (2007), M.D.

BOUCHER, DANIELLE, Courtesy Assistant Professor of Obstetrics (2008), M.D.

BRADY, LOUIS, Courtesy Associate Professor of Orthopaedic Surgery - Med. Ed. (2007), M.D.

BRAUNSTEIN, ANDREW, Courtesy Assistant Professor of Surgery (2008), M.D.

BRENNAN, DANIEL, Courtesy Assistant Professor of Emergency Medicine (2008), M.D.

BROWN, CLARENCE, Courtesy Professor of Internal Medicine (2008), M.D.

BRUNELL, MARY LOU, Instructor, College of Nursing (1980), M.S.N. (University of Pennsylvania)

BURGESS, ANDREW, Courtesy Professor of Orthopaedic Surgery (2008), M.D.

BURROWES, ADRIAN, Courtesy Assistant Professor of Family Medicine (2008), M.D.

BUSOWSKI, JOHN, Courtesy Assistant Professor of Obstetrics (2008), M.D.

BYERS, ANTHONY, Courtesy Assistant Professor of Medical Education (2008), Ph.D.

CALESTANI, CRISTINA, Secondary Joint Assistant Professor of Biomolecular Science Center (2003), Ph.D. (University of Parma, Italy)

CALIMANO, FRANCISCO, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.

CAMDESSANCHE, JEAN-PHILIPPE, Courtesy Visiting Scientist-Biomolecular Science Center (2007), M.S., M.D. (Claude Bernard University, Lyon France), Advanced degree in neurosciences (Claude Bernard University, Lyon France)

CAMPBELL, JOHN, Courtesy Assistant Professor of Family Medicine (2008), M.D.

CAMPBELL, MIKE, Courtesy Instructor of Medical Education (2009), Ph.D.

CARAKUSHANSKY, MAURI, Courtesy Assistant Professor of Pediatrics (2008), M.D.

CARLAN, STEPHEN, Courtesy Professor of Obstetrics and Gynecology (2008), M.D.

CARLSON, JOHN K., Research Assistant Professor of Biology (2003), (University of Mississippi)

CARR, BRANDON, Courtesy Assistant Professor of Emergency Medicine (2008), M.D.

CARTER, TIMOTHY, Associate Professor of Neurology (2007), M.D.

CASSIDY, DAVID, Courtesy Assistant Professor of Emergency Medicine (2009), M.D.

CHACKO, CHOWALLUR, Courtesy Assistant Professor of Psychiatry, College of Medicine, Department of Medical Education (2007), M.D.

CHACKO, LYNN, Assistant Professor of Family Medicine (2007), M.D.

CHAHALVI, ALI, Courtesy Associate Professor of Neurosurgery (2007), M.D.

CHAKRABARTI, DEBOPAM, Associate Professor of Molecular Biology and Microbiology (1999), Ph.D. (University of Calcutta-Bose Institute)

CHAKRABARTI, RATNA, Associate Professor of Molecular Biology and Microbiology (1996), Ph.D. (University of Calcutta)

CHASE, JOHN, Assistant Professor of Orthopaedic Surgery (2007), M.D.

CHEATHAM, MICHAEL, Courtesy Professor of Surgery (2008), M.D.

CHEN, PHILLIP, Courtesy Assistant Professor of Molecular Biology and Microbiology (2002), Ph.D. (University of Alabama at Birmingham)

CHITICK, ELIZABETH, Assistant Research Professor of Biology (2002), Ph.D.

CHOUHRY, AFZAL, Courtesy Assistant Professor of Neurology (2008), M.D.

CHOW, LOUIS C., Secondary Joint Professor of Optics & Photonics (2005), M.S., Ph.D. (University of California, Berkeley)

CHULANI, VEENOD, Courtesy Assistant Professor of Pediatrics (2008), M.D.

CLARK, MARK, Courtesy Associate Professor of Emergency Medicine (2008), M.D.

COBB, KATHY, Courtesy Adjunct Instructor, Educational Research, Technology, and Leadership (2007), J.D. (Stetson University)

COFFEY, KEVIN, Secondary Joint Associate Professor of Electrical and Computer Engineering (2005), B.A., B.S., M.S., PhD (Massachusetts Institute of Technology)

COHEN, MICHAEL, Courtesy Assistant Professor of Surgery (2008), M.D.
Courtesy Appointments

FRIEDMAN, DAVID, Courtesy Adjunct Professor of Biology (2007).

FRISTROM, JAMES W., Courtesy Research Professor of Biology (2004), B.A., Ph.D. (Rockefeller University)

FULLERTON, STUART, Biological Research Associate (1995), B.S. (University of Central Florida)

FULTON III, ROLLAND, Courtesy Associate Professor of Biology (2004), B.A., Ph.D. (Duke University)

FUSCO, MARK, Courtesy Assistant Professor of Surgery (2008), M.D.

GALLAGHER, JOSEPH, Courtesy Assistant Professor of Surgery (2008), M.D.

GAMMON, RICHARD, Courtesy Assistant Professor of Pathology (2008), M.D.

GARCIA, DANIEL, Courtesy Assistant Professor of Pediatrics (2008), M.D.

GOLDIEZ, BRIAN, B.S., M.S., Ph.D. (University of New York at Buffalo)

GOLDEN, NANIALEI, courtesy Professor of Biology (1994), B.A., Ph.D. (State University of New York)

GO, EUGENE, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.

GIBSON, JANE, Courtesy Assistant Professor of Pathology (2009), Ph.D.

GILBERT, PETER, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

GLEN, HARRY, Courtesy Assistant Professor of Ophthalmology (2009), M.D.

GLENER, DAVID, Courtesy Assistant Professor of Anesthesiology (2008), M.D.

GOVENKATA, BALAJI, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

GOLDBERG, STEVEN, Courtesy Associate Professor of Psychology, Chief, Orlando Field Unit, US Army Research Institute (1994), B.A., Ph.D. (State University of New York at Buffalo)

GOLDEN, NANI, Assistant Professor of Radiation Oncology (2007), M.D.

GOLDEZ, BRIAN, Secondary Joint Assistant Professor (2006), B.S., M.S., Ph.D. (University of Central Florida)

GOODMAN, GARY, Courtesy Assistant Professor of Emergency Medicine (2008), M.D.

GOODMAN, IRA, Courtesy Associate Professor Professor Biomolecular Science Center (2006), B.S., M.D. (Medical College of Pennsylvania), Board certified, Neurology (American Board of Psychiatry and Neurology)

GOODWIN, KENNETH, Courtesy Assistant Director, Career Services and Experiential Learning (2006).


GORDON, ALAN, Courtesy Assistant Professor of Obstetrics and Gynecology (2008), M.D.

GORDON, PAUL R., Courtesy Associate Professor of Pediatrics (2008), M.D.

GORHAM, JAYNE S., Courtesy Adjunct (2007), Ed.D. (Nova Southeastern University)

GRAFF, KENNETH, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

GREENBERG, HAROLD, Courtesy Assistant Professor of Internal Medicine (2009), M.D.

GREENSPOON, JEFFREY, Courtesy Assistant Professor of Ophthalmology (2008), M.D.

GRIFFIS, SUSAN E., Clinical Faculty, College of Nursing (2002), (Creighton University)

GUARDA, LUIS A., Courtesy Professor, Medical Laboratory Sciences; Courtesy Associate Professor of Pathology (2005), M.D. (University of Chile)

GUNTER, GLENDA, Associate Professor of Education and Secondary Joint Associate Professor of Digital Media (1996), A.S., B.S., M.A., Ph.D. (Mississippi State University)

GURRI, JOSEPH, Courtesy Assistant Professor of Surgery (2008), M.D.

GUSSO, RICHARD, Courtesy Associate Professor of Medicine (2009), M.D.

GUTHRIE, GEORGE, Courtesy Assistant Professor of Family Medicine (2008), M.D.

GUTIERREZ, MICHAEL, Courtesy Assistant Professor of Dermatology (2008), M.D.

HAAS, BRIAN, Associate Professor of Ophthalmology (2007), M.D.

HADDADIN, MUNTHER, Courtesy Professor of Civil, Environmental, and Construction Engineering (2006), B.S., M.S., Ph.D. (University of Washington, Seattle, WA)

HAFFEZ, SAJJAD, Courtesy Assistant Professor of Psychiatry (2008), M.D.

HAGLOCH, JAY, Courtesy Assistant Professor of Family Medicine (2008), M.D.

HAJENBERG, JULIO, Courtesy Assistant Professor of Internal Medicine (2009), M.D.

HAJAR, FOAUD, Courtesy Assistant Professor of Pediatrics (2008), M.D.

HALL, THOMAS, Courtesy Instructor of Psychiatry (2008), LCSW

HAMEER, HUSSEIN, Courtesy Assistant Professor of Pathology (2008), M.D.

HAN, WADE, Courtesy Assistant Professor of Otolaryngology (2008), M.D.

HARRIS, BARBARA, Courtesy Assistant Professor of Obstetrics (2008), M.D.

HART, MARY, Courtesy Assistant Professor of Nuclear Medicine (2008), M.D.

HAVIKIN, BORIS, Courtesy Assistant Professor of Urology (2008), M.D.

HAYDAR, MARCUS, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

HEINonen, Olle, Associate Professor of Physics (1989), B.S., Ph.D. (Case Western Reserve University)

HENDERSON, MOYA, Courtesy Visiting Artist (2007).

HENSEL, KURT, Courtesy Assistant Professor of Orthopaedic Surgery (2008), M.D.

HERBST, LAWRENCE, Assistant Research Professor of Biology (2002), B.A., M.S., D.V.M., Ph.D. (University of Florida)

HERRANDEZ, ANTONIO, Courtesy Associate Professor of Pathology (2008), M.D.

HERRANDEZ, FLORENCIO E., Courtesy Assistant Professor of Optics & Photonics (2004), B.S., Ph.D. (Universidad de Venezuela)

HERRAN, JUAN, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

HERRERA, LUIS, Courtesy Assistant Professor of Surgery (2008), M.D.

HERRERA-SOTO, JOSE, Courtesy Assistant Professor of Orthopaedic Medicine (2008), M.D.

HICKY, MICHAEL H., Associate Professor of Physics (2009), Ph.D. (La Trobe University)

HICKMAN, JAMES, Courtesy Joint Professor School of Electrical Engineering and Computer Science (2004), Ph.D. (Massachusetts Institute of Technology)

HIIGBE, RUSSELL, Courtesy Professor of Molecular Biology and Microbiology (2004), D.V.M. (Oklahoma State University)

HILL, RAOUF, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

HILL, ASHLEY, Courtesy Associate Professor of Obstetrics and Gynecology (2008), M.D.

HO, HENRY, Courtesy Assistant Professor of Otolaryngology (2009), M.D.

HOESE, VALERIE, Courtesy Associate Professor of Psychiatry (2007), Ph.D.

HOLLOWAY, ROBERT, Courtesy Professor of Obstetrics and Gynecology (2008), M.D.

HOLSENBEEK, DANIEL, Associate Faculty, School of Communication (1985), Ph.D. (Florida State University)

HOO, MARGARET, Courtesy Assistant Professor of Pediatrics (2008), M.D.

HORNICK, RICHARD, Courtesy Professor of Medicine (2007).

HOUSEY, DAMANI, Courtesy Assistant Professor of Family Medicine (2008), M.D.

HUANG, Xiao, Courtesy Assistant Professor of Internal Medicine (2008), M.D., MPH

HUSBERT, LAWRENCE, Assistant Professor of Biology (2002), B.A., M.S., D.V.M., Ph.D. (University of Florida)

HICKEY, MICHAEL H., Associate Professor of Physics (2009), Ph.D. (La Trobe University)

HICKMAN, JAMES, Courtesy Joint Professor School of Electrical Engineering and Computer Science (2004), Ph.D. (Massachusetts Institute of Technology)

HIGBEE, RUSSELL, Courtesy Professor of Molecular Biology and Microbiology (2004), D.V.M. (Oklahoma State University)

HILAR, RAOUF, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

HILL, ASHLEY, Courtesy Associate Professor of Obstetrics and Gynecology (2008), M.D.

HICKY, MICHAEL H., Associate Professor of Physics (2009), Ph.D. (La Trobe University)

HICKMAN, JAMES, Courtesy Joint Professor School of Electrical Engineering and Computer Science (2004), Ph.D. (Massachusetts Institute of Technology)

HIGBEE, RUSSELL, Courtesy Professor of Molecular Biology and Microbiology (2004), D.V.M. (Oklahoma State University)

HILAR, RAOUF, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
Courtesy Appointments

LOY, RANDALL, Courtesy Associate Professor of Obstetrics and Gynecology (2008), M.D.
LUBE, MATTHEW, Courtesy Professor of Surgery (2008), M.D.
LYNCH, JOYCE, Courtesy Assistant Professor of Otolaryngology (2008), M.D.
MA, MUCHOU, Courtesy Assistant Professor of Pathology (2003), M.D., Ph.D.
MACKSOUD, WAHID, Courtesy Assistant Professor of Orthopaedic Surgery (2008), M.D.
MADRUGA, MARIO, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
MAGEE, THOMAS, Courtesy Associate Professor of Radiology (2008), M.D.
MALIK, KHIZAR, Assistant Professor of Radiology (2007), M.D.
MANON, RAFAEL, Courtesy Associate Professor of Family Medicine (2008), M.D.
MARTINEZ, RAMON, Courtesy Assistant Professor of Family Medicine (2008), M.D.
MARTINEZ, SANTIAGO, Courtesy Assistant Professor of Pathology (2007), M.D.
MARTIN, LAWRENCE, Professor, Public Administration and Public Affairs, Joint Appointment (2004), Ph.D. (Arizona State University)
MARTINEZ, RAMON, Assistant Professor of Psychiatry (2007), M.D.
MARTINEZ, SANTIAGO, Courtesy Assistant Professor of Pediatrics, College of Medicine, Department of Medical Education (2007), M.D.
MARZANO, PETER, Assistant Professor of Internal Medicine (2007), M.D.
MASCOCHE, MAURICE, Courtesy Assistant Professor of Emergency Medicine (2008), M.D., FACEP
MASOOD, AHMED, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.
MATHIAS, ROBERT, Professor of Pediatrics (2007), M.D.
MAYER, DAVID, Secondary Joint Appointment, Assistant Professor of Psychology (2005), M.D.
McCLELLAND, JAMES, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
McCLOSKEY, JOSEPH, Assistant Professor of Internal Medicine (2007), M.D.
McDONALD, MICHAEL, Courtesy Assistant Professor of Urology, College of Medicine, Department of Medical Education (2007), M.D.
McDOUGALL, JEFFREY, Courtesy Assistant Professor of Family Medicine (2008), M.D.
McHALE, MICHAEL, Courtesy Clinical Faculty, College of Nursing (2002), (Philadelphia College of Osteopathic Medicine)
McInnes, DAVID, Courtesy Assistant Professor of Family Medicine (2008), M.D.
McNEES, PATRICK, Courtesy Faculty Associate, School of Nursing (2002), University of Florida
MCPherson, BRENDA, Faculty Associate, Educational Studies (2003), M.D.
McReynolds, JOHN WILLIAM, Courtesy Assistant Professor of Pediatrics (2008), M.D.
McWHORTER, JEANNIE, Courtesy Professor of Obstetrics (2008), M.D.
MEDIN, A. LOUIS, Professor of Engineering (Ohio State University)
MEHTA, VINIET, Courtesy Assistant Professor of Psychiatry (2008), M.D.
Mellen, JILL, Assistant Research Professor of Biology (1996), B.S., M.S., Ph.D. (University of California, Davis)
Melin, Eugene, Courtesy Assistant Professor of Anesthesiology (2008), M.D.
Membreño, JAIME, Courtesy Assistant Professor of Ophthalmology, College of Medicine, Department of Medical Education (2007), M.D.
MENGES, ERIC, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Wisconsin)
Metzger, ROBERT, Courtesy Associate Professor of Medicine (2008), M.D.
MIDDLETON, ROBERT, Courtesy Assistant Professor of Pediatrics (2008), M.D.
Miller, GARY, Courtesy Assistant Professor of Family Medicine, College of Medicine, Department of Medical Education (2007), M.D.
Miller, MARK, Courtesy Associate Professor of Radiology (2008), M.D.
Mills, Barry, Assistant Professor of Internal Medicine (2007), M.D.
Milov, David, Courtesy Associate Professor of Pediatrics (2008), M.D.
Milunski, Mark, Courtesy Associate Professor of Medicine (2007), M.D.
Mishkin, Eric, Courtesy Assistant Professor of Medical Education (2009), Ph.D.
MoBin, Syed, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.
MoGLE, DOUGLAS, Courtesy Assistant Professor of Neurology (2009), M.D.
MoInfar, nader, Courtesy Assistant Professor of Ophthalmology (2008), M.D.
Molaro, Peter, Second Joint Appointment of Biomedical Science Center (2005), Ph.D. (University of California, Davis)
Morgan, George, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
Montane, Brenda, Courtesy Associate Professor of Pediatrics (2008), M.D.
Montautti, Silvana, Courtesy Assistant Professor of Psychiatry (2008), M.D.
Montgomery, Amanda Soles, Courtesy Instructor of Medical Education (2008), M.S.W.
Moody, TONI, Courtesy Assistant Professor of Pediatrics (2008), M.D.
MoOrJani, ANita, Courtesy Assistant Professor of Pediatrics (2008), M.D.
Moran, Colleen, Courtesy Assistant Professor of Pediatrics (2008), M.D.
Morris, LORI JEDLICA, Courtesy Research Associate Professor of Biology (2004), B.S., M.S. (College of William and Mary)
MosEr, j. dAVId, Courtesy Assistant Professor of Otolaryngology (2008), M.D.
MosEr, jAnice, Courtesy Assistant Professor of Medical Education (2009), Ph.D.
Mueller, Paula, Courtesy Associate Professor of Emergency Medicine (2008), M.D.
NADeau, jAnette a., Second Joint Assistant Professor of Biomedical Science Center (2003), Ph.D. (University of California, Davis)
NADOLN, Richard, Courtesy Assistant Professor of Internal Medicine (2009), M.D.
NAGASUBRAMANIAN, R., Courtesy Assistant Professor of Pediatrics (2008), M.D.
Naser, Saleh, Associate Professor of Molecular Biology and Microbiology (1995), Ph.D. (New Mexico State University)
Nathanson, Ian T., Courtesy Associate Professor of Pediatrics (2008), M.D.
Nazarlo, Steven, Courtesy Assistant Professor of Emergency Medicine (2006), M.D.
NEMETHY, MARGARET, Clinical Faculty, College of Nursing (2002, University of Florida)
Newberg, Neil, Courtesy Assistant Professor of Medicine (2007), M.D.
Newcombe, Malinda, Courtesy Assistant Professor of Family Medicine (2008), M.D.
Nichols, James, Courtesy Professor of Biology (2004), B.S., M.S., Ph.D. (Michigan State University)
Niktin, Dmitriy, Courtesy Assistant Professor of Surgery (2008), M.D.
O'Brien, John, Courtesy Associate Professor of Emergency Medicine (2008), M.D.
ODELL, DANIEL KEITH, Professor of Biology (1994), B.S., M.A., Ph.D. (University of California, Los Angeles)
OgdEn, jACQUELINE J., Assistant Research Professor of Biology (1999), B.A., M.S., Ph.D. (Georgia Institute of Technology)
Ojha, Ashish, Courtesy Assistant Professor of Family Medicine (2008), M.D.
Oleary, Timothy, Courtesy Assistant Professor of Obstetrics (2008), M.D.
Olivera, Carlos M., Courtesy Assistant Professor of Obstetrics (2008), M.D.
Onik, Gary M., Clinical Faculty, Physical Therapy, Professor of Radiology (M.D. (New York Medical College)
Ott, Michael, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
PACHAIDEE, SUKANYA, Assistant Professor of Internal Medicine (2007), M.D.

PALMER, KENNETH, Courtesy Assistant Professor of Urology (2008), M.D.
PAPA, JOHN, Courtesy Assistant Professor of Orthopaedic Surgery (2008), M.D.
PAPA, LINDA, Courtesy Associate Professor of Emergency Medicine (2008), M.D.
PAPPAS, PETER, Courtesy Assistant Professor of Surgery (2008), M.D.
PARKINSON, CHRISTOPHER, Assistant Professor of Biology (2000), Ph.D. (University of Louisville)
PARRISH, GARY, Courtesy Assistant Professor of Emergency Medicine (2008), M.D., FACEP

PATEL, BADRISH JAYANTI, Professor of Emergency Medicine - Med. Ed. (2008), M.D., FACEP

PATEL, BADRISH JAYANTI, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
PATEL, TRUSHAR, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
PATEL, TRUSHAR, Professor of Orthopaedic Surgery (2008), M.D.
PATEL, VIPUL, Professor of Pediatrics (2008), M.D.

PEARSE, DAVID, Ph.D., M.D., Professor of Pathology

PECHAN, JOSEPH, Courtesy Assistant Professor of Surgery

PETERSON, ANN, Courtesy Assistant Professor of Family Medicine (2008), M.D.

PHANSTIEL, OTTO, Associate Professor of Chemistry (1995), Ph.D. (University of Florida)

PHILLIPS, JONATHAN, Courtesy Assistant Professor of Orthopaedic Surgery (2008), M.D.

PHILLIPS, RONALD L., Secondary Joint Professor of Optics & Photonics. (2004), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)

PICOU, STEVEN, Courtesy Professor of Sociology (2004), B.A., M.A., Ph.D. (Louisiana State University)

PIJEM, JOAN E., Courtesy Assistant Professor of Family Medicine (2008), M.D.

PIPEK, RUBEN, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

POLANCO, ENRIQUE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

POLLAK, SCOTT, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

PONT, EDWIN, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

POOLE, MAX, Secondary Joint Associate Professor of Medical Education (2008), Ph.D.

PORTOGHESE, JOSEPH, Courtesy Associate Professor of Surgery (2007), M.D.

PRICE, CHARLES, Courtesy Professor of Orthopaedic Surgery (2007), M.D.

PRITCHARD, PETER C. H., Professor of Biology (1994), B.A., M.A., Ph.D. (University of Florida)

PRITCHARD, ROBERT D., Professor of Psychology (2003), B.A., Ph.D. (University of California, Los Angeles)

PRUSINSKI, CHRISTOPHER, Courtesy Assistant Professor of Neurology (2008), D.O.

PSARAKIS, MARK, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

PYROSPOULOS, NIKOLAOS, Courtesy Associate Professor of Medicine (2008), M.D.

QUINTANA, MANUEL, Courtesy Assistant Professor of Obstetrics (2008), M.D.

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<td>MERRICK, II, WILLIAM F.</td>
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<td>(1996), B.B.A., M.B.A. (Georgia State University)</td>
</tr>
<tr>
<td>MESSINA, THOMAS</td>
<td>Associate Vice President for Alumni Relations and Executive Director, UCF Alumni Association</td>
<td>(1992), B.S., M.B.A. (Embry Riddle Aeronautical University)</td>
</tr>
<tr>
<td>MILLICAN, CHARLES N.</td>
<td>President Emeritus, Professor of Finance, and Special Assistant to the UCF Foundation Chief Executive Officer</td>
<td>(1965), B.S., M.A., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>MINANA, KIM A.</td>
<td>Assistant Vice President for Major Gifts and Director, Corporate and Foundation Relations</td>
<td>(1995), B.A. (University of Central Florida)</td>
</tr>
<tr>
<td>MODIANOS, DOAN T.</td>
<td>Associate Vice President, Academic Affairs</td>
<td>(2006), Ph.D. (Texas Christian University)</td>
</tr>
<tr>
<td>MONROE, JUDITH E.</td>
<td>Associate Vice President, University Support</td>
<td>(1976), B.S., M.A. (University of Central Florida)</td>
</tr>
<tr>
<td>MORGAN, GARY</td>
<td>Student Leadership Programs</td>
<td>(1982), B.S., M.A. (Bowling Green State University)</td>
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<tr>
<td>MORRISON-SHELTAR, ALISON</td>
<td>, Vice Provost and Dean, Undergraduate Studies and Professor of Biology</td>
<td>(2002), B.S., Ph.D. (Dundee College of Technology)</td>
</tr>
<tr>
<td>MULLALY, KAY</td>
<td>Security Officer, Certified Facility Security Officer (Defense Security Service)</td>
<td>(1986), B.S. (Drexel University)</td>
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<tr>
<td>NEIGHBOR, J. EDWARD</td>
<td>Vice Provost, Academic Administrative Systems, and Professor of Physics</td>
<td>(1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)</td>
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<tr>
<td>NEWMAN, PETER</td>
<td>Director, Facilities Planning</td>
<td>(1977), B.S. (Drexel University)</td>
</tr>
<tr>
<td>NORVELL, DAVID</td>
<td>Director, Sustainability and Energy</td>
<td>(2008), B.S. (Drexel University)</td>
</tr>
<tr>
<td>O'NEAL, THOMAS P.</td>
<td>Associate Vice President, Research &amp; Commercialization, and Director, UCF Technology Incubator and Secondary Joint Associate Professor of Industrial Engineering &amp; Management Systems</td>
<td>(1991), B.S.E.E., M.S., MBA, Ph.D. (University of Central Florida)</td>
</tr>
<tr>
<td>ORO, GLENNNA</td>
<td>Assistant Vice President, Community Relations</td>
<td>(1999), B.A. (University of Central Florida)</td>
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<tr>
<td>PATES, PATRICIA</td>
<td>Director, Research, Grants, and Evaluation</td>
<td>(1996), B.A., M.A., EdS. (University of Louisville)</td>
</tr>
<tr>
<td>PAVLONIS, DAVID L.</td>
<td>Assistant Vice President and Director, SDES-Office of Budget &amp; Personnel</td>
<td>(1998), B.S., M.S. (University of Tennessee)</td>
</tr>
<tr>
<td>PAYNE, RICHARD S.</td>
<td>Assistant Vice President, Operations &amp; Television Services</td>
<td>(2002), B.S., M.B.A. (University of Central Florida)</td>
</tr>
<tr>
<td>PERRY, ANTHONY</td>
<td>Director, Rosen College of Hospitality Management Student Life</td>
<td>(2002), B.A., M.Ed., M.S. (University of Louisville)</td>
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<tr>
<td>PETERSON, ANGELA</td>
<td>Assistant Vice President, Admissions, Enrollment Services, and Marketing UCF Regional Campuses</td>
<td>(2005), B.S., M.S. Ed. (Pittsburg State University)</td>
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<tr>
<td>PETKOV, ANNA</td>
<td>Director, Constituent Relations</td>
<td>(2008), B.A., M.A. (University of Central Florida)</td>
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<tr>
<td>PIETY, REBECCA</td>
<td>Director, University Testing Services</td>
<td>(1998), B.A., M.A. (University of Central Florida)</td>
</tr>
<tr>
<td>PITTMAN, JOHN</td>
<td>Director, Financial Services</td>
<td>(2000), B.S., M.S. (University of Central Florida)</td>
</tr>
<tr>
<td>POISEL, MARK ALLEN</td>
<td>Associate Vice President, Student Development and Enrollment Services</td>
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</tr>
<tr>
<td>POOLE, MAX C.</td>
<td>Senior Associate Dean, College of Graduate Studies, and Associate Professor of Health Sciences</td>
<td>(2005), Ph.D. (Medical College of Georgia)</td>
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<tr>
<td>POWELL, FRITZLAINE</td>
<td>Director, Partnership Development, Career Services</td>
<td>(1999), B.A., M.Ed. (Pennsylvania State University)</td>
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<td>PRIEST, DeLAINE</td>
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<td>PUSKAS, RAYMOND</td>
<td>Director, Purchasing</td>
<td>(1998), B.A. (University of Connecticut)</td>
</tr>
<tr>
<td>QUIGLEY, MARTIN F.</td>
<td>Director, Landscape and Natural Resources; Director, UCF Arboretum; Associate Professor of Biology</td>
<td>(2004), B.A., M.A., Ph.D. (Louisiana State University)</td>
</tr>
<tr>
<td>RANGE, A. J.</td>
<td>Assistant Vice President, Regional Campus Student Services</td>
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<td>REA, PAMELA</td>
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<td>(2000), B.A., M.Ed. (National-Louis University)</td>
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<td>REDDICK, ALZO J.</td>
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<td>(1990), B.S., M.E., Ed.D. (Nova University)</td>
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<td>REED, HAL C.</td>
<td>Assistant Vice President for Planned Giving</td>
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<td>RITTER, JOE</td>
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<td>ROBERTS, MARK A.</td>
<td>Director, Human Resources</td>
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<td>SAWYER, CURTIS</td>
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<tr>
<td>SCHENIDER, KIMBERLY</td>
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<tr>
<td>SCHONS, EDWARD L.</td>
<td>Director, University Economic Development, University Relations</td>
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<td>SCHUCKMAN, GREGORY A.</td>
<td>Director, Federal Relations, University Relations</td>
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<tr>
<td>SCIARRINO, JOSEPH</td>
<td>Director, Activity and Service Fee Business Office</td>
<td>(1990), B.S.B.A. (University of Central Florida)</td>
</tr>
<tr>
<td>SHAH, MUBARAK A.</td>
<td>Assistant Vice President, Research &amp; Commercialization, and Professor of Optics &amp; EECS</td>
<td>(1987), B.S., M.S., Ph.D. (University of Southern California)</td>
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<tr>
<td>SNOW, ROBERT</td>
<td>Director, Sophomore Center</td>
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<td>SOILEAU, MARION J.</td>
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<td>STERN, MICHAEL J.</td>
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<td>STINARD, CHARLENE</td>
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<td>SUCHER, CYNTHIA</td>
<td>Associate Vice President, Community Relations</td>
<td>(2006), B.A. (University of Central Florida)</td>
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</tbody>
</table>

UCF Administrative Officers and Staff
SWEENEY, MICHAEL J., Coordinator of Special Programs, and Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)

TREES, DIANE, Associate Vice President, Community Relations and Metropolitan Center for Regional Studies (1994), B.S., B.S.N., M.S. (University of Central Florida)

TRIBBLE, KEITH, Director, Athletics and Executive Vice President of UCF Athletics Association (2006), B.S. (University of Florida)

TRUMAN, BARBARA, Director, Course Development and Web Services (1996), B.A., M.A. (University of Central Florida)

VAIDYANATHAN, PALLAVOOR N., Assistant Vice President for Research (1999), B.S., B.E., M.Sc., M.B.A. (University of Florida)

VAZQUEZ, JOSE, Interim Director, Environmental Health and Safety (1994), B.A., M.A. (University of Wyoming)

VITTES, M. ELLIOT, Associate Dean, Undergraduate Studies & Academic Services and Associate Professor of Political Science (1983), B.A., M.A., Ph.D. (University of Massachusetts)

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WAGNER, PATRICK, Assistant Vice President and Director, Continuing Education (1997), B.S., M.S., Ph.D. (University of Wisconsin-Madison)

WATSON, JIMMY L., Assistant Vice President, Off Campus Student Services (1980), B.A., M.Ed., Ph.D. (Columbia Commonwealth University)

WATSON, MONTEL J., Interim Director, UCF Physical Plant (1994), B.A., M.B.A. (Loyola University of Chicago)

WEIDMAN, DIANA, Director, Student Services, Eastern Region (1984), B.S., M.A., Ed.D. (University of Central Florida)

WELCH, KERRY, Assistant Vice President and Director, Office of Student Involvement (2004), B.A., M.A., Ed.D. (University of Cincinnati)

WILKENING, JAMES, Director, Recreation and Wellness Center (1992), B.S.B.A., M.A.T. (University of Louisville)


WIRAG, J. ROBERT, Director, Health Services (2006), B.S., M.S., H.S.D. (Indiana University)

YANCKELLO, ROBERT, Director, Computer Services and Telecommunications (2004), B.S., M.Ed., (Pennsylvania State University)

YOUNG, DENISE L., Associate Vice President and Director UCF Cocoa and UCF Palm Bay (1990), B.A., M.S.W., Ph.D. (University of Michigan)
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<tr>
<th>Date</th>
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<tr>
<td></td>
<td>William H. Dial, Doctor of Commercial Science</td>
<td>May 1993</td>
<td>Buell G. Duncan, Jr., Doctor of Commercial Science</td>
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<tr>
<td>June 1970</td>
<td>John W. Young, Doctor of Applied Sciences</td>
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<tr>
<td>August 1974</td>
<td>Fred C. Clayton, Doctor of Professional</td>
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<td></td>
<td>Engineering</td>
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<tr>
<td>August 1978</td>
<td>Richard F. Livingston, Doctor of Business Administration</td>
<td>April 1996</td>
<td>Nicolaas Bloembergen, Doctor of Science</td>
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<tr>
<td>December 1981</td>
<td>Howard Phillips, Doctor of Public Service</td>
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<td></td>
<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
<td>May 2001</td>
<td>Reubin O’D. Askew, Doctor of Public Service</td>
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<td>Ferdinand Duda, Doctor of Agricultural Service</td>
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<td>John Duda, Doctor of Agricultural Service</td>
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<tr>
<td>July 1982</td>
<td>Mary Jo Davis, Doctor of Public Service</td>
<td>May 2002</td>
<td>Lotfi Zadeh, Doctor of Science</td>
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<td>William E. Davis, Doctor of Public Service</td>
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<td>July 1983</td>
<td>J. W. Hubler, Doctor of Engineering Science</td>
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<td></td>
<td>Charles Wadsworth, Doctor of Public Service</td>
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<td>May 1985</td>
<td>George J. Becker, Jr., Doctor of Public Service</td>
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<td>Robert E. Kahn, Doctor of Science</td>
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<td>Jerry Collins, Doctor of Public Service</td>
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<td></td>
<td>D. Robert Graham, Doctor of Public Service</td>
<td>May 2005</td>
<td>G. Vince Amico, Doctor of Science</td>
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<td></td>
<td>Walter O. Lowrie, Doctor of Engineering Science</td>
<td>March 2006</td>
<td>Lester Mandell, Doctor of Commercial Science</td>
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<tr>
<td>December 1988</td>
<td>Sven Caspersen, Doctor of Engineering Science</td>
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<td></td>
<td>John D. Holloway, Doctor of Public Service</td>
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<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
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<td>May 1989</td>
<td>Frank M. Hubbard, Doctor of Public Service</td>
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<td></td>
<td>David Albertson, Doctor of Humane Letters</td>
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<td>William S. Jenkins, Doctor of Humane Letters</td>
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<td>James C. Robinson, Doctor of Public Service</td>
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<td>Charles N. Millican, Doctor of Laws</td>
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<tr>
<td>May 1990</td>
<td>Helen Harris Perlman, Doctor of Humane Letters</td>
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<td></td>
<td>Thaddeus Seymour, Doctor of Letters</td>
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<tr>
<td>May 1991</td>
<td>Roald Hoffman, Doctor of Science</td>
<td></td>
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</table>
A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term’s Web Enrollment Guide for details.

AEP: Academic Exploration Program to assist undecided students.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): Computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change.


Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites, and graduation requirements for a particular academic year.

CBA: College of Business Administration

CECS: College of Engineering and Computer Science

Certificate: special program of study supplemental to a major.

CI: consent of instructor.

Class Schedule Search: a component of the online myUCF system (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 selection communication and mathematics skills.

CLAST Alternative: refers to another way of satisfying one or more subtests of the CLAST requirement other than taking the exam - through combination test scores (SAT or ACT) and specific course grades.

COE: College of Education.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments.

There are ten colleges at UCF: Arts and Humanities (CAH), Business Administration (CBA), Education (COE), Engineering and Computer Science (CECS), Health and Public Affairs (COHPA), Medicine (COM), Nursing (CON), Optics and Photonics (COP), The Burnett Honors College (TBHC), Rosen College of Hospitality Management (RHM), and Sciences (COS).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

CON: College of Nursing.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: A computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office. Directory information at UCF includes the student’s name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes’ height and weight.

Disqualified: a student on academic probation is disqualified upon failure to achieve a minimum 2.0 UCF GPA during the subsequent term. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student’s per-manent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/ minor.

E-mail: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Enrollment Certification: an official University document that provides a student’s enrollment history including status, dates enrolled, and degrees awarded, available online at https://my.ucf.edu in Student Self Service.

Equipment Fee: a charge associated with some majors to cover the use and replacement of equipment.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at https://my.ucf.edu in Student Self Service.

Freshman and Sophomore Courses: lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

FTIC: abbreviation for “First Time In College,” referring to those students who have completed fewer than 12 semester hours and currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the Fall and Spring and Summer terms.

FYAE: First Year Advising and Exploration.

GEP: General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student’s life.
Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of “C-” (1.75) or better.

GPA: “Grade Point Average”: the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.

Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator”, this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as “limited access” only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: A charge associated with some courses to cover items consumed within the class.

Minor: a complement to a bachelor’s degree program/major requiring at least 18 credit hours in a field.

myUCF: the UCF student information portal online at https://my.ucf.edu. myUCF is a powerful, security-encrypted, PID (Personal Identification Number) and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a KnightsMail e-mail, telephone number, and permanent mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses following the close of Late Registration and DropSwap, print the “Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to WebCT, Pegasus e-mail and the UCF computer labs.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal Identification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student’s status upon acceptance into the program.)

PID: (Personal Identification Number): personal eight-digit code required when entering myUCF, or the UCF Information Kiosks.

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student’s UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar’s Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the “Student Financial Assistance” section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: there may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore & Second Year Center

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All eleven Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called “terms” (also called “semesters”). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them “quarters.” UCF is on the semester system; however, we usually speak of “Fall Term,” “Spring Term,” or “Summer Sessions.”

Term GPA: grade point average (GPA) on work attempted during any given term.

TBHC: The Burnett Honors College

Third Attempt Charge: See ‘Repeat Surcharge.’

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar’s Office.

TSD: Time Shortened Degree or Accelerated Education Opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Cocoa, UCF Daytona Beach, UCF Heathrow, UCF Leesburg, UCF Ocala, UCF Osceola, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF South Orlando, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

Upper Level Courses: courses with a course number of 3000-4999.

Web Enrollment Guide: online at http://register.ucf.edu/web/. Provides the “Academic Calendar,” guides to registering online, Class Schedule Search and the Fee Invoice, and contains the policies that govern course registration. Each term’s class listings are available only online through myUCF Class Schedule Search at https://my.ucf.edu.

Withdrawal, Withdraw from a Course: to formally request an official withdrawal from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office.
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