Mission Statement

The University of Central Florida is a public multi-campus, metropolitan research university, dedicated to serving its surrounding communities with their diverse and expanding populations, technological corridors, and international partners. The mission of the university is to offer high-quality undergraduate and graduate education, student development, and continuing education; to conduct research and creative activities; and to provide services that enhance the intellectual, cultural, environmental, and economic development of the metropolitan region, address national and international issues in key areas, establish UCF as a major presence, and contribute to the global community.

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.
Welcome to the University of Central Florida!

UCF is an exceptional place, and many possibilities for professional and personal growth await you. Work hard in your classes and participate fully in extracurricular activities, and you will be rewarded with an excellent education along with experiences that will enrich your life.

Our classrooms, laboratories, and studios provide excellent venues for academic growth. But you will also learn important lessons when you volunteer to help others, play sports, get involved in student government, and participate in any of the numerous clubs and organizations on campus.

This is an exciting time to be a student at UCF. Our academic programs are setting the standard for institutions of higher education, our faculty members are nationally renowned for their teaching and research, our academic service-learning program is among the largest in the nation, and our athletic teams compete with the best in the country.

As you seize the opportunities at UCF, focus on reaching your full potential. Make the UCF Creed an integral part of your value system: practice personal honesty, cherish learning, respect the rights of every individual, enrich the human experience, and strive toward the highest standards of personal performance. In short, conduct yourself on campus and in the community to bring distinction to you and to our university.

UCF faculty members and staff members are here to help you to learn, to grow, and to excel. Upon graduation, you will join the more than 265,000 alumni whose lives have been enhanced by their UCF experience.

I wish for you much success and happiness during this coming year. Enjoy UCF, and go Knights!

Cordially yours,

John C. Hitt
President
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Pegasus is the winged horse of Greek mythology. He carried heroes on to great adventures and earned a place in the stars as a constellation. The logo was officially unveiled by President Charles Millican on April 5, 1968, from a design by Jim Shattuck and Norman Van Meter. More than 50 proposals were considered during the process. The Pegasus design was chosen for its distinctiveness—and it symbolizes the university’s vision of limitless possibilities.
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<td>Employees Non-Degree, Transients, and</td>
<td></td>
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<tr>
<td>Audits (3 p.m.)</td>
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<tr>
<td>Registration for Senior Citizen Audits</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>(begins 3:30 p.m.)</td>
<td></td>
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</tr>
<tr>
<td>On-Campus Housing Opens</td>
<td>May 14</td>
<td>June 23</td>
<td>May 14</td>
<td>N/A</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>May 15</td>
<td>June 26</td>
<td>May 15</td>
<td>May 15</td>
</tr>
<tr>
<td>Faculty to Confirm Academic Activity in</td>
<td>May 15-19</td>
<td>June 26-30</td>
<td>May 15-19</td>
<td>May 15-19</td>
</tr>
<tr>
<td>Each Class (ends at 11:59 p.m. on last day)</td>
<td></td>
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</tr>
<tr>
<td>Late Registration on myUCF</td>
<td>May 15-19</td>
<td>June 26-30</td>
<td>May 15-19</td>
<td>May 15-19</td>
</tr>
<tr>
<td>Last Day for Full Refund</td>
<td>May 18</td>
<td>June 29</td>
<td>May 18</td>
<td>May 18</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59</td>
<td>May 18</td>
<td>June 29</td>
<td>May 18</td>
<td>May 18</td>
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<tr>
<td>p.m.)</td>
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<td></td>
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</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 19</td>
<td>June 30</td>
<td>May 19</td>
<td>May 19</td>
</tr>
<tr>
<td>Payment Deadline</td>
<td>May 26</td>
<td>July 7</td>
<td>May 26</td>
<td>May 26</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>May 26</td>
<td>July 14</td>
<td>May 26</td>
<td>N/A</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends</td>
<td>June 8</td>
<td>July 20</td>
<td>July 5</td>
<td>June 21</td>
</tr>
<tr>
<td>at 11:59 p.m.)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>June 8</td>
<td>July 20</td>
<td>July 5</td>
<td>June 21</td>
</tr>
<tr>
<td>Last Day to Reinstate Drop for Nonpayment</td>
<td>June 16</td>
<td>July 21</td>
<td>June 16</td>
<td>June 16</td>
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<tr>
<td>Classes (ends at 4:00 p.m.)</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>VA Deferral Payment Deadline</td>
<td>July 28</td>
<td>July 28</td>
<td>July 28</td>
<td>July 28</td>
</tr>
<tr>
<td>Classes End: Last Day to Remove Incomplete</td>
<td>June 23</td>
<td>August 4</td>
<td>August 4</td>
<td>July 15</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-Campus Housing Closes</td>
<td>June 24</td>
<td>August 4</td>
<td>August 4</td>
<td>N/A</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>June 28</td>
<td>August 9</td>
<td>August 9</td>
<td>July 20</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.</td>
<td>June 30</td>
<td>August 11</td>
<td>August 11</td>
<td>July 21</td>
</tr>
<tr>
<td>Commencement</td>
<td>August 5</td>
<td>August 5</td>
<td>August 5</td>
<td>August 5</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the online Academic Calendar ([http://calendar.ucf.edu/](http://calendar.ucf.edu/)) 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 and Inclusion at 407-823-6479.

1 $100 Late Registration Fee applies to students who enroll following the close of Registration or who enroll for the first time that term during Late Registration.
2 $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
3 Incomplete grades must be removed within one year of the last day of the term or prior to graduation from the University, whichever comes first, else they will change to “F”.

**University Holidays and Special Events**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memorial Day Holiday</td>
<td>May 29, 2017</td>
</tr>
<tr>
<td>Independence Day Holiday</td>
<td>July 4, 2017</td>
</tr>
</tbody>
</table>
### 2017 - 2018 FALL/SPRING ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2017</th>
<th>Spring 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2017</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2017</td>
</tr>
<tr>
<td>Application Deadline for Graduation Programs Without Deadline</td>
<td>July 1</td>
<td>November 1, 2017</td>
</tr>
<tr>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>June 26 - August 11</td>
<td>Oct. 16 - Dec. 1, 2017</td>
</tr>
<tr>
<td>Registration on myUCF</td>
<td>March 20 - August 11</td>
<td>Mar. 20, 2017 - Jan. 7 and</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oct. 30, 2017 - Jan. 7</td>
</tr>
<tr>
<td>Registration for UCF Employees and UCF Employees’ Spouses</td>
<td>August 18</td>
<td>January 5</td>
</tr>
<tr>
<td>and dependents (begins 1 p.m.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration for State Employees, UCFAA Employees, Non-Degree, Transients and Audits (begins 3 p.m.)</td>
<td>August 18</td>
<td>January 5</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 21</td>
<td>January 8</td>
</tr>
<tr>
<td>Faculty to Confirm Academic Activity in Each Class</td>
<td>August 21-25</td>
<td>January 8-12</td>
</tr>
<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 21-25</td>
<td>January 8-12</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 24</td>
<td>January 11</td>
</tr>
<tr>
<td>Last Day to Drop and Request Full Refund</td>
<td>August 24</td>
<td>January 11</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 25</td>
<td>January 12</td>
</tr>
<tr>
<td>Payment Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>September 1</td>
<td>January 19</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>September 1</td>
<td>January 19</td>
</tr>
<tr>
<td>Academic Advising Weeks</td>
<td>October 9-20</td>
<td>October 9-20, 2017</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>October 30</td>
<td>March 21</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>October 30</td>
<td>March 21</td>
</tr>
<tr>
<td>Last Day to Reinstate Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>October 30</td>
<td>March 21</td>
</tr>
<tr>
<td>Veterans Affairs Deferral Payment Deadline</td>
<td>December 1</td>
<td>April 6</td>
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<tr>
<td>Classes End, Last Day to Remove Incomplete</td>
<td>December 2</td>
<td>April 23</td>
</tr>
<tr>
<td>Study Day</td>
<td>N/A</td>
<td>April 24</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 4-9</td>
<td>April 25 - May 1</td>
</tr>
<tr>
<td>On-Campus Housing Closes (noon)</td>
<td>December 10</td>
<td>May 2</td>
</tr>
<tr>
<td>Degree Conferral Date</td>
<td>December 15</td>
<td>May 3</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>December 13</td>
<td>May 4</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 15-16</td>
<td>May 3-5</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 15</td>
<td>May 7</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the online Academic Calendar ([http://calendar.ucf.edu/](http://calendar.ucf.edu/)) 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 and Inclusion at 407-823-6479.

1 $100 Late Registration Fee applies to students who have not enrolled by the close of Registration.

2 $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.

3 Incomplete grades must be removed within one year of the award date prior to graduation from the University, whichever comes first, else they will change to “F”.

4 Under Multiple Term Registration, undergraduates with a declared major and UCF GPA of 3.5 or higher will receive their appointment dates and times for Summer 2017, Fall 2017 and Spring 2018 beginning March 6, 2017. Registration for these students will begin on or after March 20, 2017. All other eligible students will receive their registration times beginning October 12, 2017, and Spring registration for these students will begin on or after October 30, 2017.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day Holiday</td>
<td>September 4, 2017</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>October 9-14, 2017</td>
</tr>
<tr>
<td>Homecoming Game - vs. East Carolina</td>
<td>October 14, 2017</td>
</tr>
<tr>
<td>Veterans Day Holiday (observed)</td>
<td>November 10, 2017</td>
</tr>
<tr>
<td>Thanksgiving Holidays</td>
<td>November 23-25, 2017</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 15, 2018</td>
</tr>
<tr>
<td>Spring Break (campus offices still open)</td>
<td>March 12-17, 2018</td>
</tr>
<tr>
<td>Founder’s Day Honors Convocation (classes still held)</td>
<td>April 5, 2018</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 the Undergraduate Advising Guide and the Undergraduate Catalog. The Undergraduate Catalog is published online once a year and cannot be altered and modified unilaterally. Statements in the Undergraduate Advising Guide and the Undergraduate Catalog may not be regarded in the nature of binding obligations on the institution or the State of Florida. While every effort will be made to accommodate the curricular needs of students, limited resources may prevent the University from offering all required courses in each semester or in day and evening sections.

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

Non-Discrimination Policy

The University of Central Florida does not unlawfully discriminate in any of its education or employment programs and activities on the basis of an individual’s race, color, ethnicity, national origin, religion (or non-religion), age, genetic information, sex (including pregnancy and parental status), gender identity or expression, sexual orientation, marital status, physical or mental disability (including learning and intellectual disabilities), political affiliations, prior conviction of a crime, protected veteran’s status or membership in any other protected classes as set forth in state or federal law. The University prohibits discrimination based on these protected classes, which includes the prohibition of discriminatory harassment, sexual assault, sexual exploitation, relationship violence, stalking, sexual or gender-based harassment, and retaliation against a person for the good faith reporting of any of these forms of conduct or participation in or party to any investigation or proceeding related to a report of conduct.

Discriminatory harassment consists of verbal, physical, electronic or other conduct based upon an individual’s protected class as set forth above that interferes with that individual’s educational or employment opportunities, participation in a University program or activity, or receipt of legitimately-requested services under either Hostile Environment Harassment or Quid Pro Quo Harassment. Hostile Environment Harassment is discriminatory harassment that is so severe, persistent or pervasive that it unreasonably interferes with, limits, deprives, or alters the conditions of education (e.g., admission, academic standing, grades, assignment); employment (e.g., hiring, advancement, assignment); or participation in a University program or activity (e.g., campus housing), when viewed from both a subjective and objective perspective. Quid Pro Quo Harassment is discriminatory harassment where submission to or rejection of unwelcome conduct is used, explicitly or implicitly, as the basis for decisions affecting an individual’s education; employment; or participation in a University program or activity.

Sexual harassment is any unwelcome sexual advance, request for sexual favors, or other unwanted conduct of a sexual nature, whether verbal, non-verbal, graphic, physical, or otherwise, when the conditions for Hostile Environment Harassment or Quid Pro Quo Harassment are present. Gender-based harassment includes harassment based on gender, sexual orientation, gender identity, or gender expression, which may include acts of aggression, intimidation, or hostility, whether verbal or non-verbal, graphic, physical, or otherwise, even if the acts do not involve conduct of a sexual nature, when the conditions for Hostile Environment Harassment or Quid Pro Quo Harassment are present. Sexual assault consists of sexual contact and/or sexual intercourse that occurs without consent. Sexual exploitation is purposely or knowingly doing or attempting to do any of the following: recording or photographing private sexual activity and/or a person’s intimate parts (including genitalia, groin, breasts or buttocks) without consent; disseminating or possessing private sexual activity and/or a person’s intimate parts (including genitalia, groin, breasts or buttocks) without consent; allowing third parties to observe private sexual activity from a hidden location (e.g., closet) or through electronic means (e.g., Skype or livestreaming of images); subjecting another person to human trafficking; subjecting another person to a sexually transmitted infection or virus without the other’s knowledge. Relationship violence includes any act of violence or threatened act of violence that occurs between individuals who are involved or have been involved in a sexual, dating, spousal, domestic, or other intimate relationship. Stalking occurs when a person engages in a course of conduct directed at a specific person under circumstances that would cause a reasonable person to fear for the person’s safety or the safety of others, or to experience substantial emotional distress.

A student or employee determined by the University to have committed an act of discrimination as described above is subject to disciplinary action, up to and including permanent separation from the University. Third Parties who commit acts under circumstances that may have their relationships with the University terminated and/or their privileges of being on University premises withdrawn.

At the University, the Title IX Coordinator (Dawn Welkie) and the Title IX Alternate Coordinator (Nancy Myers) are responsible for the University’s response to reports of sex discrimination. For more information about EOAA, please visit EOAA’s website at http://www.eoo.ucf.edu or call 407-UCF-1EEO.

Drug-Free Workplace/Drug-Free Schools Policy Statement

The sale, service, distribution, possession and consumption of alcoholic beverages shall comply with state and federal laws, city and county ordinances, and the licensing agreement with on-campus retailers. The sale, service, distribution, possession and consumption of alcoholic beverages on campus. Refer to University of Central Florida Policy “Alcoholic Beverages on Campus” 3-115.1 and University of Central Florida Regulation “UCF-4.035 Alcoholic Beverages on Campus” for further information.

Guidelines

The sale, service, and distribution 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 unsecured containers is prohibited except in designated areas or as approved with special events.

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

Student organizations may develop more stringent regulations regarding alcohol use.
Student Use of Technology

The University of Central Florida expects all students to have ready access to 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, working for classes, doing homework, and communicating with classmates or fellow students, or taking online classes. In addition, many UCF courses require the use of the Internet.

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

Students wishing to acquire a personal computer are strongly advised to consider a laptop. Laptop and PC recommended configurations can be found at http://ecommerce.ucf.edu/college.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 (including credits earned from CLEP, Dual Enrollment, AP, and/or IB). An administrative hold to prevent future university registration will be placed on the records of all students who 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 email as the official means of notifying students of important information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items. The University sends all business-related and academic messages to a student’s Knights Email address to ensure that there is one repository for that information. Every student must register for, and maintain, a Knights Email account at http://www.knightsemail.ucf.edu and check it regularly to avoid missing important information from the University. Any difficulty with establishing an account or with accessing an established account can be resolved through the UCF Service Desk (servicedesk@ucf.edu or 407-823-5117).

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

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

Complaint Policy

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

In most cases, the recommended strategy for complaints of any nature is to ask the concerned individual to first contact the person or office most directly connected to the issue, unless there are compelling reasons 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.

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, disciplinary action, and/or program action. Academic action affects student assignments, examinations or grades. Disciplinary action may affect student enrollment status. Program action affects student assignments, examinations or grades.

Academic misconduct includes but is not limited to: cheating, plagiarism, misuse of sources, assisting another in cheating or plagiarism, and commercial use of academic materials. The violations of student academic behavior standards on the undergraduate and graduate level are listed and defined in the Rules of Conduct in The Golden Rule Student Handbook.

Note: A student who has assisted another in any of the aforementioned breach of standards shall be considered equally culpable. In cases of cheating or plagiarism, the instructor may document the incident and choose to 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, disciplinary action may be taken through the Office of Student Conduct, which may result in punishment as defined in student conduct codes, as outlined in The Golden Rule Student Handbook.

Academic Misconduct

The University of Central Florida has developed an Academic Misconduct Policy Statement with the objective of ensuring that serious academic misconduct violations and appropriate disciplinary sanctions are handled in a consistent, equitable manner.

The following rules are intended to establish the University’s academic misconduct policy and to describe the procedures for determining violations of these rules. These rules are intended for use by the University’s faculty, staff, and students in determining whether an act is academic misconduct.

Department of Business Services

The Department of Business Services is responsible for the administration of the Drug-Free Workplace Policy Statement.

Approval Procedures: Student Groups

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

The following information must be supplied by the student organization and approved by the appropriate university officials, no less than 15 calendar days prior to the event(s). These arrangements include but are not limited to: the method of registering guests; method of designating those who are 21 years or older and those who are under 21 years of age; and the alcohol consumption policy. The director of alcohol; type of alcohol along with food and alternative non-alcoholic beverages to be provided; method of security including number of campus police officers; person to be contacted at event in case of questions or problems.

Approval Procedures: Non-Student Groups

Alcoholic beverages may be sold and/or served by an approved third party vendor. All third party vendors who sell and/or serve alcoholic beverages must be licensed by the State of Florida as an alcoholic beverage retailer. Groups or organizations who seek to sell beer or wine along with a non-alcoholic choice at other locations on campus must obtain approval to secure a beer or wine license from the Director of Business Services prior to making application for the license. With approval from the Director of Business Services, the group must apply to the Alcoholic Beverages and Tobacco Division of the Department of Business Regulations of the State of Florida for obtain a temporary permit for the sale of alcoholic beverages, for consumption on premises only, for a period not to exceed 3 days per event. Off-campus groups or organizations who seek to serve alcoholic beverages in a location and situation which does not require a license must obtain prior approval to serve alcohol on campus from the Director of Business Services.

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

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

<table>
<thead>
<tr>
<th>College/Discipline</th>
<th>Accrediting Body</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Arts and Humanities</strong></td>
<td></td>
</tr>
<tr>
<td>Music, Music Education</td>
<td>National Association of Schools of Music (NASM), 11250 Roger Bacon Drive,</td>
</tr>
<tr>
<td></td>
<td>Suite 21, Reston, VA 20190-5248</td>
</tr>
<tr>
<td>Theater, Theater Studies</td>
<td>National Association of Schools of Theatre (NAST), 11251 Roger Bacon Drive,</td>
</tr>
<tr>
<td></td>
<td>Suite 21, Reston, Virginia 20190-5248</td>
</tr>
<tr>
<td><strong>Business Administration</strong></td>
<td></td>
</tr>
<tr>
<td>(all disciplines)</td>
<td>The Association to Advance Collegiate Schools of Business (AACSBI), 777 South</td>
</tr>
<tr>
<td></td>
<td>Harbour Island Blvd., Suite 750, Tampa, FL 33602-5730</td>
</tr>
<tr>
<td><strong>Education and Human Performance</strong></td>
<td>State Approval by the Florida Department of Education; Accreditation by the National</td>
</tr>
<tr>
<td>(all programs leading to initial teacher certification)</td>
<td>Council for Accreditation of Teacher Education (NCATE), 1140 19th Street,</td>
</tr>
<tr>
<td></td>
<td>NW Suite 400, Washington, DC 20036-6610</td>
</tr>
<tr>
<td><strong>Engineering and Computer Science</strong></td>
<td>Accredited by the Engineering Accreditation Commission of ABET,</td>
</tr>
<tr>
<td>Aerospace, Civil, Computer,</td>
<td><a href="http://www.abet.org">http://www.abet.org</a></td>
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<td>Construction, Electrical,</td>
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<td>Environmental, Industrial,</td>
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<td>Mechanical Engineering</td>
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The University of Central Florida is accredited by the Computing Accreditation Commission of ABET, http://www.abet.org

**Health and Public Affairs**

**Athletic Training**

Commission on Accreditation of Athletic Training Education (CAATE), 6850 Austin Center Boulevard, Suite 100, Austin, TX 78731-3184

**Health Informatics and Information Management**

Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM), 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-5800

**Health Services Administration**

Association of University Programs in Health Administration (AUPHA), 1730 M St. NW, Suite 407, Washington DC 20036

**Social Work**

Council on Social Work Education (CSWE), 1701 Duke Street, Suite 200, Alexandria, VA 22314-3457

**College of Medicine - Burnett School of Biomedical Sciences**

**Medical Laboratory Sciences**

National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119

**Nursing**

Florida Board of Nursing, 4042 Bald Cypress Way, Room 120, Tallahassee, FL 32399

Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW Suite 530, Washington, DC 20036

**Siences**

Chemistry

American Chemical Society (ACS) Committee on Professional Training, 1155 Sixteenth Street, NW, Washington, DC 20036

UCF is listed in Transfer Credit Practices on Designated Educational Institutions with the highest level of credit acceptability. This handbook is published by the American Association of Collegiate Registrars and Admission Officers and lists the acceptability of transfer credits based upon the reporting institutions in the states, commonwealths, territories, and selected international institutions.
The University
407-823-2000
http://www.ucf.edu

The University of Central Florida is one of the nation’s largest university with more than 64,000 students and is located in one of the most dynamic communities in the country – the Orlando metroplex. UCF’s 1,415-acre main campus provides modern facilities, most of which have wireless capability, with about 600 acres set aside for lakes, woods and an arboretum. 

Offering more than 200 degree programs, UCF is an academic and research leader in many fields, including optics and photonics, modeling and simulation, engineering, computer science, business administration, education, life sciences, hospitality management and digital media. The College of Medicine, which graduated its first M.D. students in Spring 2013, is the centerpiece of a medical city at Nona bustling with future doctors learning about the latest advances in health care, patients receiving high-quality care, and scientists searching for cures for cancer and other diseases.

Students attend classes on UCF’s main campus in east Orlando and at satellite facilities throughout Central Florida. Since President John C. Hitt’s arrival in 1992, enrollment has nearly tripled, and UCF has greatly expanded access to higher education.

Outstanding Students: UCF attracts many of the nation’s best and brightest students. The fall freshman class for the 2016-17 academic year posted an average SAT score of 1262—compared to the state average score of 956—and a high school GPA of 4.0. UCF ranked 9th and 11th among U.S. public universities for new National Merit Scholars enrolled the past two years. We confer more than 15,000 degrees annually, leading all other universities in Florida.

Attractive Amenities: The 45,000-seat UCF Stadium and the 10,000-seat CFE Arena opened in 2007 on the north side of UCF’s campus. Anchored by CFE Arena, Knights Plaza also includes four student residence halls and various restaurants and retail shops that cater to students, employees and area residents. 

UCF’s Recreation and Wellness Center features a three-story climbing tower, an indoor track and myriad fitness equipment. The Student Union offers computer labs, study lounges, ballrooms and meeting rooms, popular eating establishments and a small shopping mall. A state-of-the-art Health Center supports a full-service health clinic with on-site professionals, X-ray capabilities, pharmacy, dental clinic, medical laboratory and physical-therapy services.

The Career Services and Experiential Learning building features private interview rooms, including a boardroom-style suite where cameras can record students’ practice interviews. At Technology Commons, students can test and purchase the latest computer products and produce podcasts and video presentations. A performing arts center provides music and theatre students with high-tech classrooms and rehearsal spaces and eventually will host student and professional performances.

National University to Watch: For the past several years, U.S. News & World Report’s “America’s Best Colleges” guide has lauded UCF as a top national university to watch. In the 2017 guide, 20 UCF programs were ranked among the top 100 in their fields. In 2016, The Princeton Review named UCF’s Florida Interactive Entertainment Academy the No. 1 graduate game-design program. CEOWORLD Magazine ranked the Rosen College of Hospitality Management among the top five hospitality schools in the world in 2016 and the university also has been identified among the best colleges for veterans.

Center for Distributed Learning
Associate Vice President: Thomas B. Cavanagh
UCF Center for Distributed Learning, 3100 Technology Parkway, Orlando, 32826; 407-823-4910
http://online.ucf.edu

The Center’s mission is to provide support to students, faculty and staff in the development and planning of distributed learning courses and programs. The Center serves as the central agent for online learning at UCF, providing leadership in distance learning policies, strategies, and practices. The Center also coordinates the university’s standards and accreditation changes resulting from web-based instruction.

Students can enroll in credit courses and selected degree and certificate programs delivered over the Internet through Online@UCF. The instructional design of these courses maintains a high-quality learning environment for both nontraditional and campus-based students.

The degree programs listed at http://www.ucf.edu/online/majors/ may be completed via online course work, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete a degree program exclusively via UCF online classes may enroll with a reduction in some campus-based fees.

Online courses are identified in the Class Schedule Search available at https://my.ucf.edu/. In the “Additional Search Criteria” section use the drop-down list next to “Mode of Instruction” to search for the values described below.

Online instruction modes are:

WORLD WIDE WEB (W): These are courses conducted via web-based instruction and collaboration. Some courses may require minimal campus attendance or in-person/proctored examinations.

MIXED-MODE/REDUCED SEAT TIME (M): These courses include both required classroom attendance and online instruction. All M classes have substantial activity conducted over the web, which substitutes for some classroom meetings.

VIDEO STREAMING (V): These are courses delivered over the web via streaming digital video, which may be supplemented by additional web activity, projects, or exams.

VIDEO STREAMING/REDUCED SEAT TIME (RV): In these courses, classroom-based content is available over the Web via streaming video and classroom attendance is not required. Other required activities that substitute for video instruction may include any of the following elements: web activity, in-person or proctored examinations, and labs. See course notes for details.

Students who plan to enroll in any course with web or streaming video components must have access to the Internet, a Web browser such as Internet Explorer or Chrome, basic web-browsing knowledge, ability to use email, and basic computer skills such as word processing.

Due to restrictive state regulations, UCF is not permitted to provide online courses or instruction to students in some states. The list of states currently restricted is available at http://online.ucf.edu/learn-online/prospective/state-restrictions/. While residing in any of the states listed, students may not be permitted to enroll in or be admitted to a UCF online program.

Regional Campuses
http://www.regionalcampuses.ucf.edu

The University of Central Florida offers an opportunity to complete a number of programs through UCF Regional Campuses. Strategically located within an 80-mile radius of the UCF Orlando campus, the Regional Campuses sites partner with six Florida state colleges, fostering seamless and convenient advancement from completion of an A.A. or A.S. degree to upper-level division work on a baccalaureate degree. Accessible academic programs vary by location. With close proximity to Orlando, resources are available at UCF and the UCF Regional Campuses, such as admissions, registration, financial aid, advising, student clubs and organizations, disability services, veteran’s affairs, “smart classrooms,” libraries, computer labs, and more.

The Central Florida Higher Education Consortium, known as DirectConnect to UCF, is a unique partnership between UCF and College of Central Florida, Daytona State College, Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College. This agreement provides entry for A.A. and A.S. graduates to UCF as an enhancement to the Florida state-managed 2 + 2 agreement. Students entering UCF as a DirectConnect to UCF student are admitted according to the UCF policies when A.A. or A.S. degrees are awarded. UCF Success Coaches are available on each of the DirectConnect to UCF camps

All locations provide students with an opportunity to enroll in selected courses (junior and senior level) contributing to undergraduate and graduate degrees in a variety of disciplines within the University. For the most current information on any of the UCF Regional Campus locations, check the website at http://regionalcampuses.ucf.edu.

Administration
UCF Regional Campuses (RC) Administration
12201 Research Parkway, Suite 101
Orlando, 32826; 407-8-4547

Vice Provost, Regional Campuses: J. Jeffrey Jones
Administrative Coordinator: Emilie Botton

Associate Vice Provost, Academic & Student Initiatives: Pam Cavanaugh
University of Central Florida/Campuses

Director, UCF Online Connect Center ................................ Jennifer Sumner
Associate Director, Online Connect Center & Continuing Education ......... Kallie Reyes
Director, Partnerships .................................................. Sean Armstrong
Director, Student Services & Advising .................................. Angela Jones
Associate Director, Academic Development .......................... Mary Lynn Bresette
Facilities Scheduler .................................................... Denise Devlin
Director, Enrollment Services ......................................... Deborah Bradford
College IT Manager ..................................................... Martin Malpica
Systems Programmer .................................................. Joe Giron
Web Designer .......................................................... Tony Recascino
Assistant Web Designer .................................................. Minesh Patel
Graphics Designer .......................................................... Christina Grace
Senior Art Specialist .................................................... Mary Lou Wade
Director, Library Services ............................................... Cynthia Kisby
Assistant Vice Provost, Administrative Affairs .......................... Kimberley Cole
Executive Administrative Assistant .................................. Jeanette Holder
Coordinator, Budget & Finance ........................................ Gerry Deveau
Administrative Coordinator ............................................ Carmen Palade
IT Supervisor .............................................................. Aaron Misiano
College/Division IT Project & Testing Manager ...................... Calston Llewellyn

Campuses

UCF Valencia West, UCF Valencia Osceola, UCF Valencia East
Assistant Vice Provost ....................................................... Kimberly Hardy
Associate Director, Student Services & Advising .......................... Lisa Cruz
Assistant Director, Osceola .................................................. James Smith, Jr.
Assistant Director, West ..................................................... Juanita Carpenter
Assistant Director, Enrollment Services, West .......................... Melissa Kors
Coordinator, Enrollment Services, West ............................ Richard Satterlee
Coordinator, Enrollment Services, Osceola .......................... Jessica Matos
Senior Admissions Specialist, East .................................... Priscilla Alejandro
Coordinator, Academic Advisor, West .................................. Robin Tinsley
Coordinator, Academic Advisor, Osceola ................................ Angel Edgecombe
Coordinator, Academic Advisor, Ocala ................................ Vanessa Delgado
Coordinator, Student Services, West ................................ TBA
Coordinator, Student Services, Osceola ................................ Margo Johnsen
DirectConnect Coordinator, West ...................................... Catherine Brown
DirectConnect Coordinator, Osceola .................................. Jenna Gonzalez
DirectConnect Coordinator, East ......................................... TBA
Administrative Assistant .................................................. Jacqueline Diaz

UCF Daytona
Assistant Vice President ................................................ Linda Bradley-Thacker
Associate Director, Student Services ................................... Raphael Robinson
Coordinator, Enrollment Services ........................................ Rosalyn Santana
Coordinator, Academic Advisor ........................................ Tina Davis
Coordinator, Academic Advisor ........................................ Angela Edwards-Johnson
Coordinator, Administrative Services ................................ Bonnie Marsh
Direct Connect Coordinator .............................................. Virginia LaRue
Department IT Manager ................................................ Joe Cassella

UCF Sanford/Lake Mary, UCF Altamonte
Associate Vice President .................................................. David Mealor
Assistant Director, Enrollment Services ................................ Pamela Williams Gruen
Coordinator, Academic Advisor ........................................ Georgia Kent
Coordinator, Academic Advisor ........................................ Jackie West-Lee
DirectConnect Coordinator .............................................. Lisa Mejia
Department IT Manager .................................................. Russell Muller
Administrative Assistant .................................................. Valerie Brackman

UCF Cocoa, UCF Palm Bay
Regional Director .............................................................. Lauren Miller
Associate Director, Student Services .................................... Sonya Curtis
Assistant Director, Enrollment Services ................................ Nick Pantlioni
Coordinator, Enrollment Services ....................................... Jessica Houts
Coordinator, Academic Advisor, Palm Bay .......................... Patricia Terrill
Coordinator, Academic Advisor ......................................... Sheryl Schagen
DirectConnect Coordinator .............................................. Kim Poppert
Department IT Manager .................................................. Sue Sorenson
Coordinator, Budget & Finance ......................................... Gerry Deveau
Administrative Assistant .................................................. Darlene Kraft

UCF South Lake, UCF Ocala, UCF Leesburg
Regional Director .............................................................. Tanya Armstrong
Assistant Director, Enrollment Services ................................ Christy Pansins
Coordinator, Enrollment Services ....................................... Thomas Sliarek
Coordinator, Academic Advisor ......................................... Bethany Larson
Coordinator, Academic Support Services, Ocala .................. Crystal Flynn
DirectConnect Coordinator .............................................. Christine Cline
DirectConnect Coordinator, Ocala ...................................... Crystal Flynn
Department IT Manager .................................................. Mei Wong
Administrative Assistant .................................................. Lisa Dunn

UCF Cocoa
321-433-7821
(In partnership with Eastern Florida State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Communication Sciences and Disorders (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education and Human Performance
Human Communication (B.A.) College of Sciences
Integrated Business* (B.S.B.A.) College of Business Administration
Nursing (B.S.N.) College of Nursing

*Selected courses will require attendance at the UCF Orlando campus.

For online programs visit: http://www.ucf.edu/online/.

UCF Daytona
386-506-4021
(In partnership with Daytona State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Nursing (B.S.N.) College of Nursing
Photography (B.S.) College of Arts and Humanities
Psychology (B.S.) College of Sciences

For online programs visit: http://www.ucf.edu/online/.
UCF Leesburg
352-536-2113
(In partnership with Lake-Sumter State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Elementary Education (B.S.) College of Education and Human Performance
For online programs visit: http://www.ucf.edu/online/.

UCF Ocala
352-854-2322, ext. 1824
(In partnership with College of Central Florida)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Elementary Education (B.S.) College of Education and Human Performance (Cohort)
For online programs visit: http://www.ucf.edu/online/.

UCF Palm Bay
321-433-7838
(In partnership with Eastern Florida State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Human Communication (B.A.) College of Sciences
- Psychology (B.S.) College of Sciences
For online programs visit: http://www.ucf.edu/online/.

UCF Sanford/Lake Mary
407-708-2471
(In partnership with Seminole State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Elementary Education (B.S.) College of Education and Human Performance
- Human Communication (B.A.) College of Sciences
- Integrated Business* (B.S.B.A.) College of Business Administration
- Legal Studies (B.A., B.S.) College of Health and Public Affairs
- Psychology (B.S.) College of Sciences
*Selected courses will require attendance at the UCF Orlando campus.
Graduate Degree Programs
- Clinical Psychology (M.A.) College of Sciences
For online programs visit: http://www.ucf.edu/online/.

UCF South Lake
352-536-2113
(In partnership with Lake-Sumter State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Elementary Education (B.S.) College of Education and Human Performance
For online programs visit: http://www.ucf.edu/online/.

UCF Valencia Osceola
321-682-4190
(In partnership with Valencia College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Biomedical Sciences (B.S.) College of Medicine
- Elementary Education (B.S.) College of Education and Human Performance
- Integrated Business* (B.S.B.A.) College of Business Administration
- Psychology (B.S.) College of Sciences
*Selected courses will require attendance at the UCF Orlando campus.
For online programs visit: http://www.ucf.edu/online/.

UCF Valencia West
407-582-5500
(In partnership with Valencia College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Architecture (B.D.) College of Arts and Humanities
- Electrical Engineering (3rd year) (B.S.E.E.) College of Engineering and Computer Science
- Elementary Education (B.S.) College of Education and Human Performance
- Integrated Business* (B.S.B.A.) College of Business Administration
- Nursing (Concurrent) College of Nursing
- Political Science (B.A.) College of Sciences
- Psychology (B.S.) College of Sciences
*Selected courses will require attendance at the UCF Orlando campus.
For online programs visit: http://www.ucf.edu/online/.
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 growth 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 tenants.

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 continuing dialogue on major economic issues, comparative economic systems, and economic decision-making in business. Chair: James Combs.

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

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

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: Pradeep Bhardwaj.

The Cobb Family Eminent Chair in Optical Sciences and Engineering: Created in 1999 to support the work of an internationally recognized scholar in laser and optical sciences. Chair: Demetrios Christodoulides.

Darden Eminent Scholar Chair in Restaurant Management: Created in 1990 to develop a program of excellence in restaurant management. The chair, the first of its kind in the country, also serves as a critical resource for the hospitality industry. Chair: TBA.

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 professional development. Chair: Ajai Singh.

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

Bert Fish Memorial Eminent Scholar Chair: Created in 1990, the first chair to be established at the Daytona Campus, to improve nursing education and ease the shortage of nurses. Chair: Angeline A. Bushy.

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

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

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

William 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. Chair: TBA.

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

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

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

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

Chatlos Foundation Endowed Chair in Nursing: Created in 1996 to support a key faculty member of distinguished reputation who will engage in teaching, research, and scholarly activities relating to nursing. Chair: Karen Aroian.

Kenneth G. Dixon Eminent Scholar Endowed Chair in Accounting: Created in 2004 as a key component of the Dixon School of Accounting. Chair: TBA.

Howard Phillips Eminent Scholar Chair in Real Estate: Created in 2004 as a key component of the Dr. P. Phillips School of Real Estate. Chair: David Harrison.

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: Konstantin L. Vodopyanov.

Florida 21st Century Chair: Created in 2007 to strengthen and support teaching and research in the fields of control and signal processing in the College of Engineering and Computer Science. Chair: Marwan A. Samaan.

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 strengthen the teaching and research of an internationally recognized scholar of Italian and Italian American culture. Chair: Paolo Giordano.

NAIOP Eminent Scholar Chair in Real Estate: Created in 2005 as a key component of the Dr. P. Phillips School of Real Estate. Chair: Geoffrey K. Turnbull.

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

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

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

Kari H. Guenther Eminent Chair in Thin Film Optics: Created in 1998 to support the School of Optics Education in Thin Film Optics. Chair: TBA.
Jalal Talabany Endowed Chair in Kurdish Political Studies: Created in 2007 to strengthen and support teaching and research in Kurdish Political Studies. Chair: Güneş Murat Tezcür.

Florida Photonics Center of Excellence Endowed Chair in Biophotonics: Created in 2003 to strengthen and support teaching and research in the field of biophotonics at the College of Optics and Photonics. Chair: TBA.

Florida Hospital Endowed Chair in Cardiovascular Science: Created in 2011 to build collaborative research programs with Florida Hospital and other Central Florida scientists while providing leadership to the research enterprise in the Burnett School of Biomedical Sciences, College of Medicine. Chair: Sampaath Parthasarathy.

Hugh F. and Jeanette G. McKean Endowed Chair in Nursing: Created in 2011 to strengthen and support the preparation of nurse educators. Chair: Joellen Edwards.

Florida Hospital Endowed Chair in Healthcare Simulation: Created in 2011 to support a leading expert in simulation to advance simulation in nursing and healthcare disciplines. Chair: Gregory Welch.

Paul N. Somerville Endowed Chair for Statistics: Created in 2012 to strengthen and support teaching and research in the field of statistics with an emphasis on the area of Big Data. Chair: TBA.

Orlando Health Endowed Chair in Nursing: Created in 2009 to support three areas: a leading expert in teaching and research, an annual symposium related to excellence in nursing and student scholarships. Chair: Mary Lou Sole.

University Ombuds Office
Ombuds Officer: Shreya Trivedi
MH 247; 407-823-6440
http://ombuds.ucf.edu/

The Ombuds Office is an informal, impartial, independent and confidential resource for all members of the University community. It is not an office of notice of wrongdoing and cannot participate in any formal grievance or appeal process. The office provides assistance and guidance 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, worker-related, or personal. The University Ombuds Officer, as a neutral facilitator, will listen to concerns and assist visitors by developing a range of options in an informal attempt to achieve resolution. 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 Office 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.

UCF Public Safety and Police
Chief of Police: Richard Beary
3610 Libra Drive, Orlando, FL 32816; Building #150; 407-823-5242
http://www.police.ucf.edu/

The UCF Police Department is a full-service law enforcement agency that prides itself on providing professional services to the university community through prevention, education, and intervention. Officers are fully sworn with all of the law enforcement powers and duties of other agencies. UCF Police officers provide services 24 hours a day, seven days a week to the university community. In 2016, the department received reaccreditation by the Commission for Florida Law Enforcement Accreditation, which means it meets the highest of law enforcement practices and standards.

The Communications Center (407-823-5555) provides a mechanism for people to receive assistance in the event of an immediate threat, danger, injury, fire, or criminal occurrence by calling 9-1-1. UCF 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 - 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 for whatever reason unable to give their number or location can still receive emergency assistance. Communications Operators are on duty 24 hours a day. Blue light emergency phones are located at more than 229 locations on campus to allow those in need of assistance to contact UCF Police, and the phones dial directly to the Communications Center to ensure a swift response if needed. Patrol officers also may view the details of each call as information is updated by the Communications Center.

The Patrol Division provides proactive police services to the campus community by means of foot patrols and marked vehicle patrols. Within the division, specialized units such as K-9, motorcycle, bicycle and all-terrain vehicle patrols are utilized to meet the unique needs of an expanding urban university.

The Investigations Division consists of detectives and a law enforcement analyst who conduct latent investigations for all criminal cases. Detectives are on-call 24 hours a day, seven days a week and respond to crime scenes as needed require.

The Community Partnerships Division (407-823-3224) offers crime prevention services and tips regarding the protection of personal property and safety. Two of the services that are recommended for all students, faculty and staff are online property registration and free engraving of items for easy identification. Officers speak to each student and parent orientation group and provide information about police programs and services at each session. A women’s self-defense class is also scheduled once monthly during each semester. For students who stay on campus late, the Safe Escort Patrol Service (SEPS) is available at 407-823-2424 and provides a safe escort to vehicles and dorms on campus. Officers from Community Partnerships are also assigned as day shift officers at the College of Medicine’s Health Sciences Campus at Lake Nona.

The Special Events Division is responsible for reviewing all concerts, sporting events and other functions that may require police security. During large events, such as football games, UCF Police staff may be supplemented by other law enforcement agencies, such as the Florida Highway Patrol, the Orange County Sheriff’s Office, the Seminole County Sheriff Office and the Oviedo Police Department.

Victim Services (12201 Research Parkway, Ste. 450, Orlando 32826; main number: 407-823-2425, 24/7 hotline: 407-823-1200), provides intervention and prevention services for all members of the UCF community and victims who have been impacted by crime, violence or abuse with or without a police report. Care is provided 24 hours a day, seven days a week. Services include crisis intervention, advocacy, support, safety planning, practical assistance, options, information and referrals. Educational programming also is provided to academic and social groups on campus.


Information Technologies and Resources
Vice President and CIO: Joel L. Hartman
MH 338K; 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 and the allocation and administration of space. Units within the Division include the Library, Computer Services & Telecommunications, Instructional Resources, the Center for Distributed Learning, and Space Planning, Analysis and Administration. 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

University Libraries offers a variety of information resources and services. The extensive resource collection includes 2 million volumes, 53,000 journal subscriptions, 3.3 million microforms and 65,000 media titles. The Libraries’ electronic resources include 475 data-bases and 149,000 e-books.

The John C. Hilt Library on the main campus is open 105 hours per week. Operating hours are available at http://library.ucf.edu or by calling (407) 823-2756.
- Over 340 computer workstations are available for public use on all five floors.
- Laptop PCs can be checked out for use anywhere in the library.
- 100 iPads are available for a one week checkout.
- Wireless technology enables patrons who have portable devices to connect to the Libraries’ electronic resources and to the Internet; wireless printing is also available.
- Twenty-eight group study rooms and one practice presentation room are available for students, and can be reserved in advance through http://library.ucf.edu/StudyRooms/.
- The John C. Hilt Library is a partial depository for United States and Florida government publications, U.S. Patents and Trademarks.

Infusion, the Libraries’ cyber-cafe learning space, offers food and beverage options, desktop PCs, comfortable seating and a large-captions television, and a browsing collection for leisure reading. The Knowledge Commons area offers seating for 479 students, access to 196 desktop PCs, collaborative group study areas, and rolling white boards.

For help and advice in the use of resources and materials, the Research and Information Desk, http://library.ucf.edu/about/departments/reference/, located on the main floor, is open most library hours. Individual appointments can also be made for in-depth research consultations. These appointments provide student one-on-one time with a librarian - http://library.ucf.edu/help/schedule-an-appointment/.

Ask A Librarian service answers questions submitted through chat, text, instant message, email or telephone at (407) 823-2562 or toll-free at (866) 271-7589 - http://library.ucf.edu/ask/.

The Libraries supports the development of information literacy skills through the provision of Information Literacy Modules, http://infolit.ucf.edu/. The modules provide just-in-time instruction for students on topics such as citing resources, evaluating websites, and plagiarism.

Librarians have also created subject-specific research guides to help students identify resources within their discipline. Students can also access instructional videos from the libraries’ YouTube channel: http://www.youtube.com/user/UCFLibraries.

Citation Management Programs are also available for FREE from the UCF Libraries. Workshops are offered each semester on how to use EndNote and RefWorks http://library.ucf.edu/Scholarly-Communication/CitationTools.php.

Another key service for Graduate Students is Interlibrary Loan and Document Delivery. The UCF Libraries will pull books and scan articles that are owned by the library, as well as borrow materials from other libraries. For more information, call (407) 823-2383 or visit the ILL website, http://library.ucf.edu/ILL.

In collaboration with the University’s Office of Student Accessibility Services, students are eligible for Document Delivery to their place of residence, and may request assistance with retrieval of in-house materials by contacting the Circulation Desk. The John C. Hilt Library has several reading aid devices, including a workstation equipped with MAGic and JAWS software, and a Sorenson Videophone. More information is available at http://library.ucf.edu/services/accessibility-services/.

Primary source material from Special Collections and the University Archives supports the research, teaching, and service activities of the UCF community. These special materials include books, manuscripts, historic public records, ephemera, photographs, art, and more, http://library.ucf.edu/SpecialCollections.

UCF 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 http://library.ucf.edu/Systems/DigitalInitiatives/DigitalCollections/.

Branch Libraries
The Curriculum Materials Center (CMC) is located in the College of Education and Human Performance Building. The CMC provides representation and tools necessary to create PK-12 curriculum materials for preview, review, analysis and circulation, as well as 26 desktop PCs. Although the CMC primarily serves education students and faculty, it is open to all campus faculty, staff, and students. For more information see the CMC web page at http://library.ucf.edu/cmc or call (407) 823-2791.

The Universal Orlando Foundation Library is located at the Rosen College of Hospitality Management on Universal Boulevard. The library is open to the entire UCF community as well as to hospitality industry professionals. Its unique collection covers all facets of the hospitality and tourism industries. The library provides a wide array of services and resources, including desktop PCs, wireless devices for checkout, group study rooms, research assistance, library instruction, and interlibrary loan. For more information, visit http://library.ucf.edu/Rosen or call (407) 903-8100.

Regional Campus Libraries
Regional Campus libraries collections and services are available through partner libraries in Cocoa, Palm Bay, Ocala, Daytona Beach, South Lake, Sanford-Lake Mary, Leesburg, Osceola and West Orlando. The University Libraries maintains partnerships with state colleges to provide complete information services. Two websites that are particularly helpful for Regional Campus needs are:
- http://library.ucf.edu/about/libraries/
- http://library.ucf.edu/my-account/

UCF librarians provide one-on-one, in-person, and virtual assistance by appointment. All locations provide electronic access to library and university resources on the web. Courier and intercampus loan services make the John C. Hilt Library’s collections available to UCF students at all regional and branch campus sites.

Office of Instructional Resources (OIR)
Director: Don Merritt
CB 203; 407-823-2571
http://www.oir.ucf.edu

The mission of the Office of Instructional Resources (OIR) is to further the academic, research, and administrative goals of the University of Central Florida and its faculty and students through the design, application, and support of multimedia resources and services.

The Faculty Multimedia Center (FMC) is OIR’s media production facility dedicated to faculty, located in Classroom Building I (CB1) Room 202, the FMC hosts equipment and staff that faculty can call upon to help them create multimedia materials for their teaching and research needs. The FMC also partners with the Faculty Center for Teaching and Learning and the Center for Distributed Learning to host the Faculty Multimedia Workshop Series, a 30-minute workshop with 30-minute hands-on assistance for faculty who wish to increase their content creation skills.

OIR also supports videoconferencing and other online collaboration facilities and services for university use, including thesis and dissertation committee support. OIR can provide consultation to determine the most appropriate method of collaboration to meet your needs. For consultation services or to reserve a videoconference space, please contact OIR at 407-823-2571 and ask to speak with a collaboration specialist.

Although OIR installs and repairs classroom equipment, OIR does not schedule classroom spaces. To reserve a room, please contact Classroom Reservations in the Registrar’s office. Faculty should speak with their College Scheduler to reserve a classroom or to change the meeting space for a class.

Space Planning, Analysis, and Administration (SPAA)
Assistant Director: Christy Collier
MH 329; 407-823-0982
http://spaa.ucf.edu

SPAA facilitates the university’s space request and allocation process, maintains an accurate space inventory for internal and external reporting purposes, and provides analyses and information that support the institutional research, and administrative space needs of the university and its respective colleges and divisions. SPAA works closely with UCF Facilities Planning and Construction and the Registrar’s Office.
Intercollegiate Athletics
Vice President and Director: Daniel J. White
WD: 407-823-2261
http://www.UCFKnights.com

The University of Central Florida, a member of the National Collegiate Athletic Association (NCAA), Division I, competes in 16 sports and is a member of the American Athletic Conference. UCF’s intercollegiate sports for men include baseball, basketball, golf, football, soccer and tennis. Women’s sports include basketball, cross-country, golf, rowing, soccer, softball, outdoor and indoor track and field, tennis and volleyball.

UCF’s athletics teams are successful in the field, in the classroom and in our community.

Currently in their fourth season of membership in the American Athletic Conference, the Knights have won AAC titles in football (2013, 2014), women’s golf (2015), women’s soccer (2013, 2014), rowing (2015, 2016), softball (2014), indoor track and field (2017) and volleyball (2014). In addition to winning back-to-back league titles, the UCF Football program received the conference’s automatic bid to a BCS Bowl game following the 2013 season and defeated then-No. 6 Baylor in the Fiesta Bowl.

UCF Athletics’ 93 percent graduation success rate ranks No. 1 among all public universities nationwide. It is the sixth-best mark of any school in NCAA Division I (FBS).

During the past five years, UCF student-athletes have contributed a total of more than 400,000 hours of community service in the Central Florida region and around the world.

Graduation Rate Disclosure
The completion or graduation rate is the rate at which full-time, certificate-seeking or degree-seeking undergraduate students who are enrolling for the first time at the institution, and who have not previously enrolled at any other institution of higher education, graduate from their programs. The 6-year graduation rate for the Summer-Fall 2010 full-time cohort is 69.0 percent. The retention rate for Summer-Fall full-time 2015 students is 88.8 percent. The information is public and available for review on the Institutional Knowledge Management website.

CFE Arena, The Venue, and Knights Plaza
http://www.cfearena.com

The CFE Arena is the largest entertainment and sports facility in East Orlando. With seating for 10,000 fans, it is home to UCF Men’s and Women’s basketball, university and high school graduation ceremonies, and a diverse lineup of world-famous entertainers, beloved family shows and festivities rivaling any in the country.

Nestled on the north side of the CFE Arena, The Venue is a more intimate space showcasing special events and UCF Women’s Volleyball.

Knights Plaza, a living-learning community on the north end of UCF’s main campus is the home of the CFE Arena and The Venue, features an exciting mix of student apartments, garages, services, shops and dining. Come early and stay late. For event, retail or rental information, visit http://www.cfearena.com or http://www.knightsplaza.com. For information on apartment rental, please visit http://www.housing.ucf.edu.

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

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

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

Parking and Transportation Services
Director: Kris Singh
Visitor and Parking Information Center; 407-823-1371
Email: krishna.singh@ucf.edu
http://www.parking.ucf.edu

The Parking and Transportation Services department offers a variety of transportation options to, from, and around the campus.

The UCF Shuttle provides transit needs for students residing in 21 off-campus apartment communities, as well as numerous locations in Central Florida Research Park. Normal operating hours range from 6:30 a.m. to 10:00 p.m. UCF also has an in-campus shuttle service on the Black and Gold Line. Two routes serve up to 9 stops on campus. On campus shuttles operate continuously from 7:00 a.m. until 7:00 p.m. during the fall and spring semesters, and from 7:00 a.m. to 4:00 p.m. during the summer terms.

An inter-campus transportation service is provided between the UCF main campus and the Rosen College of Hospitality Management. It makes 10 round-trip runs between 6:45 a.m. and 9:00 p.m., Monday through Friday, during the fall and spring semesters, and six round-trip runs between 8:00 a.m. and 7:00 p.m. during the summer semester. Our latest addition is an inter-campus transportation service between UCF main campus and the Health Sciences Campus. It makes 14 round trips between 7:20 a.m. and 10:45 p.m. Monday through Friday. Arrivals and departures can be tracked via UCF mobile application or at http://parking.ucf.edu/shuttle.html or call 407-823-2131 for detailed information.

In addition, two LYNX bus routes, Links 13, 434 and 104, serve the UCF campus from Oviedo, Downtown Orlando, Valencia College, and East campus. Commuters may connect to most anywhere in the Greater Orlando area. The LYNX buses normally operate at 30 to 60 minute intervals. Route maps may be obtained at the UCF Visitors and Parking Information Center and the information kiosk at the Student Union. Further details, including rates and information on special passes, may be obtained by calling LYNX at 407-841-8240, or from their website, http://golynx.com.

Orlando Shakespeare Theater in Partnership with UCF
Artistic Director: Jim Helsinger
812 E. Rollins St., Suite 100, Orlando FL 32803
Email: jimh@orlandoshakes.org
http://www.orlandoshakes.org

The Orlando Shakespeare Theater in Partnership with UCF is a professional AEA theater producing classic, contemporary and children’s plays. The theater presents the Signature Series of adult plays, a children’s theater series, The Playfest Festival of New Plays, and innovative educational programming that includes summer camps,
The Young Company (a summer high school performance group), Shakespeare with Heart (a summer program in partnership with United Cerebral Palsy and UCF), and the K-12 "Shakespeare Alive" and "Shakesperience" programs. Performances are presented in Margeson, Goldman, Mandell, and Santos-Dantin 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 on the Today Show, Good Morning America, and in national publications such as The Wall Street Journal, Stage Directions, American Theater, and American Theater magazine. The third year of UCF's MFA in Acting is spent in residence at Orlando Shakes. Internships and independent studies for UCF undergraduates are also available with the theater in many departments. $15 rush tickets are available for UCF students 1/2 hour before all performances with valid student ID. To purchase tickets, contact the box office at 407-447-1700, or go on the web at http://www.orlandoshakes.org. For internship information and other questions, contact Artistic Director Jim Helsinger at jimmh@orlandoshakes.org.

UCF Alumni
UCF FAIRWINDS Alumni Center; 407-UCF-ALUM (823-2586)
http://www.ucfalumni.com

UCF Alumni is committed to maintaining lifelong connections between all Knights with the university and each other through social, cultural and professional development opportunities. The organization’s mission is to enhance the lives of UCF alumni, students and friends by fostering a mutually beneficial relationship with the university. Once a student graduates, he or she automatically has access to UCF Alumni’s many resources and network of more than 265,000.

The 4EVER KNIGHTS (4EK) student organization connects students with alumni while creating a culture of philanthropy at UCF. 4EVER KNIGHTS is the largest student organization on campus and offers students a variety of fun and valuable events, benefits and discounts, as well as leadership, scholarship and service opportunities.

Advancement | UCF Foundation, Inc.
Senior Director of Communications, Marketing and Donor Relations:
Stephen Toth
PVL 250; 407-823-6204
Email: Stephen.Toth@ucf.edu
http://ucffoundation.org

Founded in 1969 as the Florida Technological University Foundation, Inc., the UCF Foundation, Inc. is a 501(c)(3) nonprofit organization with a mission to encourage, steward and celebrate charitable contributions from alumni and friends to support the University of Central Florida. It is the official fundraising organization for the university, which is currently in a multi-year fundraising campaign called IGNITE: The Campaign for UCF, which seeks to raise $500 million in private support for Student Success, Academic Excellence, and Growth and Opportunity by 2019.

Led by a volunteer board of directors and staffed by more than 100 professionals, including fundraising officers, information experts, accountants, communicators and more, the foundation works to inform, involve and engage current and prospective donors in strengthening UCF through private philanthropy.
UCF Global
Vice Provost: Cynthia Young
Senior International Officer and Chief Global Strategist: Barry Morris
Assistant Vice President: Nataley Chandia
GB, 407-883-2337; Fax: 407-882-0240
http://www.global.ucf.edu/

UCF Global is the organizational division on campus dedicated to international outreach and opportunity. Its quest is to transform lives by providing access to high impact, international experiences across the UCF and global community and to serve as a model of excellence for innovation, partnership, and services. This is accomplished in part through the administration of UCF Abroad and the English Language Institute, along with multiple compliance units offering support services to international students, faculty, and staff.

Additionally, UCF Global facilitates compliance with federal immigration regulations and provides immigration advising and assistance to the international students and scholars at the University of Central Florida. UCF Global also works with UCF departments to facilitate the hiring of international faculty and staff, process H-1B employment visas, and ensure tax compliance on payments made to international vendors.

Support is provided to the international population on campus in its adjustment to a new academic and cultural environment by providing a wide range of services and programming. Services include: admissions guidance, interpreting immigration regulations, explaining employment options, issuing travel authorization signatures, and end of year tax filing guidance. Programming includes: orientation, welcome week activities, employment and tax workshops, holiday celebrations, and International Education Week events. From orientation to graduation, UCF Global strives to enhance the overall educational experience at UCF for its international students and scholars and to increase cultural awareness and understanding on campus.

UCF Abroad
http://www.studyabroad.ucf.edu

UCF Abroad provides access to high impact, international experiences for students interested in studying or interning outside the United States as a portion of their degree program. UCF Abroad participants are exposed to new environments, new customs, and in many cases new languages in an effort to broaden their perspectives and develop the skills necessary to set them apart in the global workplace. Self-discovery, self-confidence, and cultural awareness are a few of the additional benefits to studying abroad. UCF Abroad also works with external program providers to open up options for students in all disciplines and all desired destinations.

The two main types of programs administered by UCF Abroad are Short Term Programs and Reciprocal Student Exchanges.

Short Term Programs provide the maximum amount of exposure to a subject in the shortest period of time. These programs are often the most cost-effective option for students and meet all academic criteria for UCF coursework. Courses delivered as part of these short-term programs can be delivered as a complete module within themselves or as a complement to a course delivered on campus. Often led by a UCF faculty member, examples of past short term programs include the following: Intensive language programs in Austria, France, Italy, Japan, Spain and Taiwan; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica, Russia and the United Kingdom; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Italy.

Reciprocal Student Exchanges (RSEs) provide UCF students with the opportunity to become a student at a university abroad for a full term or even an entire academic year. A longer term abroad allows for more extensive experience in the host country. RSEs require greater personal commitment, maturity and organization. Therefore, they are offered to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past university partners for RSEs have included: Griffith University, Australia; MODUL University in Austria; Universidade Federal do Rio de Janeiro, Brazil; Hong Kong Polytechnic and Tongi University, China; Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; Tilburg University in the Netherlands; Jonkoping and Malardalen universities in Sweden; and University of West England and University of Surrey in the United Kingdom.

Interested participants are encouraged to reach out to UCF Abroad staff for additional questions or to begin their program enrollment. By visiting one of our qualified staff members in our offices, students can get further assistance in choosing their program, understanding their requirements, and receiving advice on the cost and/or academic credit implications of studying abroad. For up-to-date information, please visit http://www.studyabroad.ucf.edu or call UCF Abroad at 407-882-2300.

English Language Institute
http://www.international.ucf.edu/ELI

Since 1987, the University of Central Florida’s English Language Institute (ELI) has served as a home away from home for thousands of international students who want to study English in the United States. People from all over the world join the ELI because of the high-quality intensive English programs, a world-famous location, and high-impact cultural experiences. The motto of the ELI is: “Learn. Connect. Continue.” Students gain the English skills necessary to communicate and operate in the United States. During their time here, they connect with a diverse community of international students in a beautiful American city. After completing their studies at the ELI, students continue onward by pursuing higher education at UCF and advancing in their careers with a strong command of the English language.

The Intensive English Program at ELI is a course of study designed to improve the English language skills of prospective undergraduate or graduate students at UCF. The English Language Institute also hosts non-academically bound individuals interested in improving their English skills for personal or professional development. This five-level program includes Grammar, Reading, Writing, Communication Skills, and English testing preparation.

ELI believes in the importance of extra-curricular activities as a method for students to apply their English language skills outside
Academic Advancement Programs

Director: Michael Aldarondo-Jeffries
407-823-1815
http://aap.ucf.edu

Academic Advancement Programs (AAP) prepares UCF students – particularly underrepresented, low-income, and first-generation college students – to pursue advanced degrees. AAP works in collaboration with faculty, staff, local, and national partners to provide a range of graduate school preparation programs and services. Students have the opportunity to participate in a variety of initiatives designed to increase their awareness and knowledge of the graduate school application process, graduate funding, summer research programs, and fellowship opportunities.

AAP coordinates the McNair Scholars Program that assists participants in gaining admission to graduate programs leading to a doctorate. They also oversee the UCF Research and Mentoring Program (RAMP) that provides undergraduate students interested in pursuing advanced degrees with research experience and the opportunity to work closely with a faculty mentor.

EXCEL

Director: Melissa Dagley
407-823-6230
http://excel.ucf.edu

EXCEL strives to increase the number of students receiving baccalaureate degrees in STEM disciplines from UCF. This learning community focuses on enhancing EXCEL students’ experience during the first two years of college through improved student learning in math and science courses, block housing shared by STEM-focused students, a tutoring center, and early engagement in research experiences. EXCEL participants also work in cohorts, making it easy for them to team up with study partners in required courses that may have several hundred students.

Experiential Learning

Director: Jason Jude Smith
407-823-2667
http://explearning.ucf.edu

Experiential Learning (EL) provides students with opportunities to apply what they are learning in the classroom to real-world settings. In collaboration with UCF’s colleges and faculty, employers, and community leaders, EL prepares students for academic and career success through experiential learning courses, such as internships, co-ops, and service-learning opportunities. The team provides a full complement of services that range from vetting potential internship and co-op experiences to one-on-one guidance. Additionally, EL supports the creation, delivery, and continued improvement of service-learning courses at UCF.

Karen L. Smith Faculty Center for Teaching and Learning

Associate Dean and Executive Director: Melody Bowdon
407-823-3544
http://fcft.ucf.edu

The Faculty Center staff and resources support faculty and student success at UCF. The many programs they offer are co-designed with faculty and provide opportunities to improve the effectiveness of teaching, to meet and share ideas about increasing student engagement and preparing students for their future lives and careers, to develop course and program materials, to learn about innovative pedagogies and classroom technologies, and to develop research and professional enrichment plans. Our office hosts three major faculty development conferences each year as well as a variety of semester-long programs and several one-day events. We create and distribute a number of publications and offer one-on-one consultations, department-focused trainings, and other services.

Operational Excellence and Assessment Support

Assistant Vice President: Patrice Laney
407-882-0275
http://oeas.ucf.edu

Operational Excellence and Assessment Support (OEAS) supports UCF’s efforts to improve the quality of student learning outcomes and the effectiveness and efficiency of university operations through assessment and analytics. OEAS contributes to data-driven decision making across all academic programs and administrative units through integrated processes that include continuous quality improvement, analytical and survey studies, technology integration, and guidance in assessment. OEAS also acts as independent external grant evaluators for various state and federal grants and works with the principal investigators to assure that the evaluation and research components of the grant are aligned to yield meaningful information.

Pre-Health and Pre-Law Advising

Director: Erin Myszkowski
407-823-3033
phpladvising.ucf.edu

Pre-Health and Pre-Law Advising (PHPL Advising) guides and supports students interested in pursuing careers in the health and legal professions that require academic study in professional school settings beyond the baccalaureate degree. PHPL Advising’s mentors guide students through the multiple aspects of their preparation and application, with the ultimate goal of helping each student become a competitive professional school applicant.
The NCAS embraces the principle that everyone has a right to be educated, and has a duty to use what is learned to improve society. Since its inception, NCAS member institutions have offered opportunities for athletes to complete their degrees, even after eligibility has expired. In addition to our advocacy for traditional education, the NCAS educates and empowers people by raising awareness of social justice issues and by offering strategies and solutions for overcoming them.

Social Justice
The NCAS is committed to peace and justice by raising awareness and developing strategies for dealing with social justice issues worldwide. The NCAS aims to provide the education, tools and strategies for dealing with these issues and empowers individuals to take action for those without a voice. We challenge sports leaders and athletes to embrace leadership roles by supporting everyone’s basic human rights, and confronting all forms of discrimination, hate, and violence, while advocating for those who are underrepresented.

Ethical and Moral Leadership
The NCAS’s unshakeable vision for sport driven social change demands that we challenge ourselves, and others, to aspire to the highest standards of ethical and moral behavior.

Ethical and moral actions are the foundation that enables individuals, organizations, and leaders to gain leadership credibility. The beliefs and actions of leaders have significant impact on their respective organizations and, as such, effective ethical and moral leadership blends humility with determined professional will. The NCAS’s ambitious goals for sport driven social change can only be accomplished through tireless commitment to ethical and moral behavior. Thus, we dedicate ourselves to advocate for ethical and moral leadership through the power of sport.

The Power of Sport
The global impact that sport has on society reminds us that teamwork and unity transcend the fields of competition, and has the irrefutable power to positively change people’s lives.

We apply the lessons of “the huddle” to illustrate how divergent interests and beliefs can unite under a shared vision and common goal. We believe sport has an immense impact on societies across the globe. Sport has been known to galvanize communities large and small. By harnessing this power and public influence, the NCAS continues to promote social change domestically and around the world. Changing lives through the power of sport.

Institutes and Centers for Research

Dick Pope, Sr. Institute for Tourism Studies

Director: Abraham Pizam
9907 Universal Blvd., Suite 231-D, Orlando, FL 32819; 407-903-8010
Associate Director: Roberto Croes
9907 Universal Blvd., Suite 231-D, Orlando, FL 32819; 407-903-8028
Email: DPI@mail.ucf.edu
http://hospitality.ucf.edu/research/dick-pope-sr-institute-for-tourism-studies/

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

Executive Development Center

Executive Director: Robert Porter
407-235-3912
Email: executiveeducation@bus.ucf.edu
Associate Director, Degree Programs: Robin Holler
407-235-3913; Email: mb@ucf.edu
Associate Director, Executive & Professional Development Programs: Mireya Cortes
407-235-3912; Email: executiveeducation@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, regional and international business communities. The Executive Development Center was established to provide quality 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.
Special Academic Programs and Research Institutes

The Center serves as a valuable resource in executive training and development by offering graduate degrees and non-degree 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 Master of Science in Management/
  Human Resources
- Professional Master of Science in Management/
  Business Analytics
- Professional Master of Science in Real Estate
- Open-enrollment Executive Workshops
- Custom Corporate Programs

Florida-Canada Linkage Institute
Director: Mark Hartman
407-823-3647, Fax: 407-823-2526
Email: fcl@ucf.edu
https://fcli.intl.ucf.edu/

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between Canada and the State of Florida. The Institute, administered by UCF Global, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The Institute administers the Out of State Tuition Fee Exemption Program that is available for Canadian students to study in Florida state universities and Florida College System institutions for the same tuition and fees as Florida residents. The awards are limited to 25 FTE and are competitive.

Florida-Eastern Europe Linkage Institute
Director: Mark Hartman
407-823-3647, Fax: 407-823-2526
Email: eeli@ucf.edu
https://eeli.intl.ucf.edu/

The Florida-Eastern Europe Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between the countries in Eastern Europe and the State of Florida. The Institute, administered by UCF Global, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The Institute administers the Out of State Tuition Fee Exemption Program that is available for students from Eastern European countries to study in Florida state universities and Florida College System institutions for the same tuition and fees as Florida residents. The awards are limited to 25 FTE and are competitive.

The John Scott Dailey Florida Institute of Government at the University of Central Florida
Director: Marilyn Crotty
407-882-3960, Fax: 407-882-3968
http://www.iog.ucf.edu

The John Scott Dailey Florida Institute of Government is part of the College of Health and Public Affairs. The institute serves as a valuable resource for local government information and provides the public sector and nonprofit entities the highest quality training, technical assistance, facilitation services, conference planning and coordination and administrative services to improve Florida’s communities.

Florida Small Business Development Center (FSBDC) at UCF
Regional Director: Eunice Choi
3201 E Colonial Drive, Suite A20, Orlando FL 32803 (Located in the National Entrepreneur Center); 407-420-4850
Email: echoi@ucf.edu
http://www.sbdcorlando.com

The Florida SBDC at UCF is part of the statewide Florida SBDC Network which is designed to promote economic development by responding to the needs of the small business community. The FSDBC, as part of the Office of Research and Commercialization at the University of Central Florida, serves eight counties in the Central Florida area including the central office in Orlando and ten satellite offices located at Daytona State College, Eastern Florida State College, Seminole State College, Kissimmee Chamber of Commerce, City of Palm Coast, three Lake County Business Opportunity Centers and Sumter County’s Office of Economic Development. Assistance is provided through no-cost individual consulting, training & workshops and access to market research resources. Areas of specific attention for small businesses include:

- Pre- Venture/ Start-Up
- Market Expansion & Revenue Growth
- Finance
- Accounting
- Operations
- Management
- Technology
- Business & Strategic Plan Development

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Xchange, Export Marketing Plan Services, Growth Acceleration Services, Small Business Institute®, and Strategic Workshop Series, in addition to two special programs of Government Contracting Services [Procurement Technical Assistance Center (PTAC)] and Small Business Re-source Network (SBRN).

Florida Solar Energy Center (FSEC)
Director: James Fenton
1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1000
Email: info@fsec.ucf.edu
http://www.fsec.ucf.edu

The Florida Solar Energy Center (FSEC), UCF’s energy research and education institute, was established in 1975. Located on the Cocoa campus of UCF and Eastern Florida State College, FSEC has gained national and international respect for its public and private partnerships, focusing on: solar energy, energy-efficient buildings, hydrogen and fuel cells, electric vehicles, smart-grid research, and testing and certification of solar equipment. The Center conducts continuing education and training programs for professionals, government and industry leaders around the world, in addition to Science, Technology, Engineering and Mathematics (STEM) opportunities for the future energy workforce.

Florida Space Institute (FSI)
Director: Ramon Lugo
Florida Space Institute, PO Box 160650, Room 214 A, Orlando, FL 32816-0650; 407-823-6172; Fax: 407-823-6359
Email: ramon.lugo@ucf.edu
http://fsi.ucf.edu

The Florida Space Institute provides unique, practice-based educational opportunities, combined with space science research and the
IST actively assists UCF in the development of simulation-related curricula. First in the nation with a master's degree in simulation systems, the university in collaboration with IST also offers a truly multidisciplinary Ph.D. 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. Also available at the graduate level are the Modeling & Simulation Professional Science Master's degree, a two-year course of study providing a combination of technical and business courses, and the Graduate Certificate in Modeling and Simulation of Technical Systems, which requires fifteen or more credit hours beyond the bachelor's degree and is beneficial to technical professionals involved with constructing and using simulation models of dynamic systems.

The institute annually employs more than 100 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, work experience at IST becomes a launching pad to a career in the simulation industry. A significant number of existing professionals, both in government and industry, enroll in modeling and simulation graduate and certificate programs to continue their advanced education and hone their research skills. The institute includes in its efforts 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 industry and economic development organizations, IST promotes economic growth in the modeling and simulation industry throughout the Central Florida High Tech Corridor.

Oak Ridge Associated Universities (ORAU)

President and ORAU Councilor for University of Central Florida: John C. Hitt
ORAU Corporate Secretary: Monnie E. Champion
665-576-3146
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 and major federal facilities. Activities include faculty development and major federal facilities. Activities include faculty development and major federal facilities. Activities include faculty development and major federal facilities. Activities include faculty development and major federal facilities. Activities include faculty development and major federal facilities. Activities include faculty development and major federal facilities. Activities include faculty development and major federal facilities.

Through the Oak Ridge Institute for Science and Education (ORISE), the DOE facility that ORAU operates, undergraduates, graduates, postgraduates, as well as faculty enjoy access to a multitude of opportunities for study and research. Students can participate in a number of programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are specially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines. A comprehensive listing on these programs and other opportunities, their disciplines, and details on locations and benefits can be found in the ORISE Catalog of Education and Training Programs, which is available at http://see.orau.org, or by calling the number 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 ORAU Events Sponsorship Program, the ORAU Travel Grants Program and the Lindau Meeting of Nobel Laureates and Students.
Undergraduate Admissions

Associate Vice President: Gordon D. Chavis, Jr.
Duke Energy UCF Welcome Center; 407-823-3000
Email: admission@ucf.edu
http://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 public institution transient students to the Orlando campus and all regional campus sites. The office’s primary mission is to identify, attract, and enroll talented, diverse, and academically qualified students who will contribute to, achieve growth and success at, and benefit from attending the University of Central Florida.

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

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

Campus Visit Experience

Information sessions and campus tours are available through our “Campus Visit Experience”. All freshmen (First-Time-In-College: FTIC) and transfer prospective students and their families are encouraged to participate. The Campus Visit Experience, which includes both an information session and tour of the campus, begins at the Duke Energy UCF Welcome Center at 10:00 a.m. and 2:00 p.m., Monday through Friday, except holidays. Reservations can be made by visiting our website at http://admissions.ucf.edu. “Transfer To Be A Knight” information sessions are held for prospective transfer students on select days throughout the year. Visit http://admissions.ucf.edu/transferknight/ for more information. Group tours of up to 80 or special requests may be accommodated and can be requested by visiting our website.

Admissions representatives are available to discuss particular concerns about admission to the University. You may contact the Office of Undergraduate Admissions at 407-823-3000 or visit us at our website. Information sessions and campus tours are also available for students interested in our Rosen College of Hospitality Management near International Drive. Please contact them at 407-903-8166 for further information.

Application for Admission

All interested applicants should complete the University of Central Florida “Undergraduate Admissions Application” online at http://admissions.ucf.edu and submit the $30 (in U.S. Currency), non-refundable application fee. First-Time-In-College (FTIC) students can also apply using the Common Application at http://www.commonapp.org. Students should apply several months in advance of an anticipated start date and provide a completed file by the published application deadline. Questions concerning admission requirements and applications can be forwarded to admission@ucf.edu.

Applications for admission can be submitted up to one year prior to the start of the term desired. The 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 December 1. Information regarding University housing can be found at http://www.housing.ucf.edu. Applicants can apply for housing once they are offered admission to the University. Requests for housing are subsequently reviewed according to the date of the receipt of the housing application. The University does not discriminate based on race, color, religion, sex, national origin, age, disability, marital status, parental status, genetic information, sexual orientation, gender identity, gender expression, or veteran status.

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

Applicants must submit official transcripts from each educational institution attended to the Office of Undergraduate Admissions. Applicants must likewise submit official score reports for credit earned from each appropriate testing agency (e.g. AICE, AP, CLEP, or IB). To be considered official, supporting admissions documents must be received directly from the issuing institution or testing agency. All final supporting documents must be received by the Office of Undergraduate Admission no later than six (6) days after the first day of classes.

Note: Furnishing false or fraudulent statements in connection with an application for admission or residency affidavit may result in disciplin-
Undergraduate Admissions

Any 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.

Due to restrictive state regulations, UCF is not permitted to provide online courses or instruction to students in some states. The list of states currently restricted is available at http://programs.online.ucf.edu/. While residing in one of these states, students may not be permitted to enroll in UCF online courses.

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 by the published application deadline date. This form can be found online at admissions.ucf.edu. 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 FTIC students offered admission who have submitted their enrollment deposit and to all transfer students offered admission to the University. Information regarding orientation may also be viewed on the website at http://fye.ucf.edu/.

Admission Categories

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

A. Freshman (First-Time-In-College: FTIC)
B. Dual Enrollment/Early Admit (includes early admission and dual enrollment, on- or off-campus)
C. Transfer*
D. Second Bachelor’s Degree
E. Transient (one term enrollment only, not from a Florida public institution)**
F. Non-Degree Seeking (not including students who have already earned a bachelor degree)***
G. Limited Non-Degree Seeking****
H. Special Non-Degree Seeking (includes students participating in specific non-degree seeking programs including ROTC, Study Abroad only, Marching Band only, and Rosen College exchange programs)

*Transfer students with 60 semester hours or more may also designate one of many Regional Campus sites. Please refer to the application.

**Students applying as transient from a Florida public institution should apply through Florida Shines at http://www.floridaschines.org.

***Students who have already earned a bachelor degree and wish to attend as non-degree seeking should follow the procedure through our Graduate Admissions Office located at http://www.admissions.granduate.ucf.edu/nondegree_applicants/.

****See please the “Academic Regulations and Procedures” section of this catalog for this admission category.

Freshman Applicants

Any FTIC student who meets minimum admission requirements as stated in Florida Board of Governors Regulation 6.002 is encouraged to submit an application. Meeting these minimum requirements does not guarantee admission. An applicant's total high school record (including grades, test scores, educational objective, quality of courses completed, counselor recommendations, essay, and personal achievements and honors) will be considered in the selection process. The University reaffirms its Equal Educational Opportunity (EEO) commitments and seeks to increase diversity among the student body.

High School Diploma

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

Entrance Examination Scores

All FTIC applicants for admission must submit test scores from the SAT Reasoning Test, redesigned SAT (rSAT), or the ACT Plus Writing (students applying for Spring 2017 or later are not required to submit an rSAT with essay or ACT writing section). In addition, any student whose native language is not English may be required to submit a Test of English as a Foreign Language (TOEFL) or an International English Language Testing System (IELTS) score.

High School Academic Units and Grade Point Average

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

<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>4</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>
</tbody>
</table>

Additional academic electives from the above five subject areas and courses recommended by the Florida Association of School Administrators, other groups, and courses recommended by the Articulation Committee and approved by the Department of Education 2

Total Units: 18

Applicant Eligibility

As stated in Florida Board of Governors Regulation 6.002, an SAT Reasoning Test, redesigned SAT (rSAT), or ACT Plus Writing (or ACT for students applying for Spring 2017 or later) is required of all State University System FTIC applicants. Students with a high school GPA of 2.5-2.99 on a 4.00 scale as calculated by the university must achieve the minimum scores for each section of the SAT (or its corresponding score on the redesigned SAT (rSAT), based upon official concordance tables which will be available from the College Board after the administration of the first rSAT) as outlined below:

Students admitted prior to Spring 2017:

- SAT Critical Reading >= 460 or ACT Reading >= 19
- SAT Mathematics >= 460 or ACT Mathematics >= 19
- SAT Writing >= 440 or ACT English/Writing >= 18

Students admitted Spring 2017 or later:

- SAT – Critical Reading or concorded score from rSAT Evidence-Based Reading and Writing >= 460 or ACT Reading >=19
- SAT – Mathematics >=460 or ACT – Mathematics >=19
Each state university reserves the right under Florida BOG regulation (6C 6.002) to establish admission criteria that exceeds Florida BOG 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 demonstrate competency of foreign language or American Sign Language equivalent to the second high school level or higher (Spanish 2, Haitian Creole 2, etc.) or at the elementary 2 level in foreign language or American Sign Language at an undergraduate institution to be offered admission.

Dual Enrollment/Early Admit Applicants

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

1. Early Admission is for students who have completed their junior year in high school and would like to enroll at the University as full-time students for the following year of high school to complete their high school graduation requirements. 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, redesigned SAT (rSAT), or ACT Plus Writing (or ACT for students applying for Spring 2017 or later);
   - Completed Early Admission/Dual Enrollment Authorization 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

Any Transfer student who meets minimum admission requirements as stated in Florida Board of Governors Regulation 6.004 is encouraged to submit an application. Students should apply online at http://admissions.ucf.edu and arrange to have official transcripts sent from all colleges attended. The Office of Undergraduate Admissions computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades and only recognizes grade forgiveness when it is used as part of an awarded statewide articulated Associate in Science degree or an Associate in Arts degree from a Florida public institution. Applicants must have a cumulative minimum GPA of 2.0 as well as a 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 applicants 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 Applicants with Fewer Than 60 Credit Hours

Transfers with less than 30 transferrable semester hours: Must minimally meet freshman high school unit entrance requirements, the high school academic GPA and minimum SAT Reasoning, redesigned SAT or ACT Plus Writing (or ACT for students applying for Spring 2017 and later); have at least a 2.0 GPA on a 4.0 system for all college-level academic courses attempted; and be in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. Meeting these minimum requirements does not guarantee admission.

Transfers with 30 or more but less than 60 transferrable semester hours: Must minimally have successfully completed (C or higher) at least one English Composition course and one college level mathematics course that consists of three (3) semester credit hours; have at least a 2.0 GPA on a 4.0 system for all college-level academic courses attempted and be in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. High school transcripts may be required to demonstrate completion of the foreign language admission requirement. Students not meeting these requirements must meet the requirements for transfer students with less than 30 transferrable semester hours. 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 College System institutions and Florida state universities will be governed by the Articulation Agreement between the state universities and Florida College System institutions of Florida, as approved by the State Department of Education. The agreement states: The associate in arts degree is the basic transfer degree of the Florida College System institutions. It is the primary basis for admission of transfer students from Florida College System institutions to upper division study in a state university. Every associate in arts graduate of a Florida College System institution shall be granted admission to an upper division program consistent with Section 1007.23, F.S. Admission to the student's preferred public postsecondary institution or program is not guaranteed.

Any student admitted without demonstrated proficiency in a foreign language or American Sign Language equivalent to the second high school level or the elementary 2 level at an undergraduate institution must satisfy the admission requirement prior to graduation. Florida College System institution Associate in Arts graduates are granted the following rights under the Statewide Articulation Agreement (State DOE Rule 6A-10.024):

1. Admission to one of the twelve 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.

Any student admitted without demonstrated proficiency in a foreign language or American Sign Language equivalent to the second high school level or the elementary 2 level at an undergraduate institution shall be granted admission to an upper division program consistent with Section 1007.23, F.S. Admission to the student's preferred public postsecondary institution or program is not guaranteed.

Any student admitted without demonstrated proficiency in a foreign language or American Sign Language equivalent to the second high school level or the elementary 2 level at an undergraduate institution shall be granted admission to an upper division program consistent with Section 1007.23, F.S. Admission to the student's preferred public postsecondary institution or program is not guaranteed.

Any student admitted without demonstrated proficiency in a foreign language or American Sign Language equivalent to the second high school level or the elementary 2 level at an undergraduate institution shall be granted admission to an upper division program consistent with Section 1007.23, F.S. Admission to the student's preferred public postsecondary institution or program is not guaranteed.

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Any student admitted without demonstrated proficiency in a foreign language or American Sign Language equivalent to the second high school level or the elementary 2 level at an undergraduate institution shall be granted admission to an upper division program consistent with Section 1007.23, F.S. Admission to the student's preferred public postsecondary institution or program is not guaranteed.

Any student admitted without demonstrated proficiency in a foreign language or American Sign Language equivalent to the second high school level or the elementary 2 level at an undergraduate institution shall be granted admission to an upper division program consistent with Section 1007.23, F.S. Admission to the student's preferred public postsecondary institution or program is not guaranteed.
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 a degree-seeking undergraduate student must apply to the Office of Undergraduate Admissions. Students should complete the undergraduate admissions application online at http://admissions.ucf.edu.
- Students who have previously attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar’s Office. These students should follow the Readmission procedure located online at http://registrar.ucf.edu/readmission-application.

Credits from a Previous Baccalaureate Degree
Graduates from other regionally-accredited four-year U.S. institutions who apply for admission to work toward a second undergraduate degree must meet the regular requirements of the university (as defined in the “Undergraduate Degree Requirements” section of this Undergraduate Catalog). Students must meet all transfer GPA requirements. A baccalaureate degree or higher from another regionally accredited four-year U.S. institution satisfies the General Education Program requirements and also provides exemption from the foreign language requirements for admission and graduation.

Note: A baccalaureate degree or higher from a non-US institution will not automatically satisfy the General Education Program requirements. If a baccalaureate degree from a regionally accredited four-year U.S. institution includes credit from a non-regionally accredited institution, the credit from the non-regionally accredited institution may not be included as transfer credit. This would result in the transfer of less than the total number of credit hours awarded within the baccalaureate degree.

Transient Student Applicants
A student in good standing with a minimum 2.0 GPA at the last regionally-accredited institution attended who desires to enroll for one term at UCF may be considered for admission as a transient student. Such enrollment terminates at the end of one term and does not presuppose degree-seeking admission to the University. A transient student must submit an official transcript from the last institution attended. Transient student applications must be received by the appropriate application deadline. If a student’s last school of attendance is a Florida public institution, they must apply through the Florida Shines website at http://www.floridaschines.org. Transient students are not eligible to receive financial aid. Registration is permitted on a space-available basis. Meeting minimum GPA requirements does not guarantee admission.

Non-Degree Seeking Applicants
A student who wishes to attend UCF but not work toward a degree and has not already earned a bachelor’s degree, must apply to the Office of Undergraduate Admissions as a non-degree seeking student. Non-degree seeking applicants must follow the same procedure and must meet the same admission requirements as transfer applicants. Please see the details on the previous page for transfer applicants. Meeting minimum admission requirements does not guarantee admission.

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

International Applicants
The University of Central Florida is authorized under federal law to enroll students on non-immigrant visas. All international candidates applying for admission to UCF must submit a University of Central Florida Undergraduate Admissions Application online at http://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 application deadlines, as follows: Fall, March 1; Spring, September 1, and Summer, January 1.

The following items will be needed in order to review an application for admission. Specifics regarding which documents are required for freshman and transfer students can be found on our International Applicants page: https://admissions.ucf.edu/apply/international/.

- UCF admission application with the required $50.00 non-refundable application fee (credit card online, check or money order in U.S. currency). The online application is available on our website at http://www.admissions.ucf.edu. First-Time-In-College (FTIC) students can also apply using the Common Application at http://www.commonapp.org.
- Prior to Spring 2018: Students who attend/have 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 from one of the agencies below. A grade point average should be calculated and must appear on this evaluation.

Effective Spring 2018: Students who attend/have attended an international secondary school that uses a grading and evaluation system different from the U.S. system must submit official transcripts, graduation certificates, and/or exam results of all secondary work to UCF. All documentation submitted in a language other than English must be accompanied by a literal translation performed by a certified translator at the issuing institution, government agency, or by a translator certified by the American Translators Association. https://www.atanet.org/clients/client_certified_translation.php.

- AP, IB, AICE, and CLEP score reports for exams taken.
- If the student has attended any international universities, an English translation and evaluation of work completed at each institution will be necessary. Transcripts should be sent to one of the agencies below for a course-by-course evaluation. Please note that if 60 or more transferable credit hours have been earned at a post-secondary institution, it will not be necessary to submit the secondary school records and SAT/ACT scores. In specific instances, for applicants with 30 to less than 60 transferable credit hours, it may also be unnecessary to submit these documents as well. Please go to https://admissions.ucf.edu/30-or-more-fewer-than-60/ for more information.
- Proof of English proficiency can be evidenced by one of the following:
  - proof that the student is from a country where English is the only official language
  - establishing that a prior bachelor’s, master’s or doctoral degree was earned from a regionally accredited college or university in the United States
  - establishing that a prior bachelor’s, master’s or doctoral degree was earned from a country where English is the only official language, or a university at which English is the only official language of instruction
  - submitting a qualifying score on the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS).

Qualifying scores for undergraduate applicants are: a TOEFL computer-based score of 220, a TOEFL internet-based score of 80, a TOEFL paper-based score of 550, or an IELTS score of 6.5.
- presenting a minimum 520 EBRW SAT score or 480 Critical Reading SAT or 20 ACT (English section)
- presenting a minimum grade of “B” in both English Composition I and English Composition II, or the equivalent, taken at a regionally accredited post-secondary institution in the U.S.
- completion of 4 years of English at a secondary school in the U.S.
- completion of the English Language Institute’s (ELI) level 4 with a grade of a “B” or better
- completion of EAP 2851 with a grade of a “C” or better or placement into ENC 1101
- an on-site assessment by UCF ELI faculty qualified to administer English proficiency assessment and determining that the student is English proficient at the university level

Results of the SAT Reasoning Test, redesigned SAT (rSAT), or ACT will be required if the student has earned less than 30 credit hours of college credit and may be required if the student has earned at least 30 but less than 60 transferrable semester hours. Information regarding these examinations may be obtained from the College Board (SAT) at http://www.collegeboard.org or from ACT at http://www.act.org. While there are no specific minimum score requirements for these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

UNIVERSITY OF CENTRAL FLORIDA
Educational Translations and Evaluations
Foreign diplomas must meet the requirements specified in Florida Statutes, section 229.814. UCF will accept evaluations of academic credit from these agencies:

José Silny and Associates  World Education Services

Mandatory Health Insurance for International Students on F and J Visas
Each international student on an F or J visa offered admission shall, prior to registration for classes, submit proof of required health insurance coverage to UCF Student Health Services to comply with the State of Florida mandatory health insurance requirement for F and J students. Minimum coverage limits are posted on the Student Health Services website at http://www.studenthealth.ucf.edu. Use the link for International Students that directs you to information that is specific to the UCF-endorsed health insurance plan that meets all the State of Florida requirements. Proof of insurance coverage must be submitted to Student Health Services via the online submission system and may not be submitted via email.

The University reserves the right to refuse registration to any international student on an F or J visa who fails to comply with this insurance requirement or who is unable to supply satisfactory proof of insurance. The University also reserves the right to withdraw enrollment from classes any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids in any way the responsibility to comply with the insurance requirement. For questions, call UCF Student Health Services at 407-823-6295 or go to their website noted above.

Non-Academic Admission Clearances
Florida Board of Governors Regulation 6.001 (7) authorizes universities to refuse admission to applicants due to past misconduct. The University further requires the Vice President For 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 accepted at UCF. However, credit awarded to a student for a course that is equivalent to an upper-division course already completed at UCF will not be awarded toward a baccalaureate degree. Generally, the petitioning of transfer courses for satisfaction of degree requirements 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 based on the recommendations of the American Council of Education (ACE) if official credentials have been properly presented. While credit may be granted when courses are equivalent to those offered by the University, recommendations by the ACE are not binding upon the University. Even though military records may have been evaluated by another regionally-accredited institution, it is important to have official credentials sent to UCF for evaluation. Credit is not awarded for basic training.

Baccalaureate Honors
Transfer students should be aware that eligibility for graduation with baccalaureate honors requires the completion of a minimum of 48 credit hours at UCF and an overall grade point average (including all transfer credit). For more details, refer to ‘Academic Honors’ within the “Academic Regulations and Procedures” section of this Undergraduate Catalog.
The Office of Student Financial Assistance is a unit within Student Development and Enrollment Services. It is dedicated to supporting UCF’s mission and goals through the efficient delivery of student aid. The office provides UCF students with a comprehensive offering of financial assistance options to help support student success and the attainment of a university degree. Financial aid counseling is available on a walk-in basis. To protect the privacy of student records, we offer limited counseling services through phone and email.

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

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

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 December 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 application. UCF must be listed on the FAFSA in order to receive the data. UCF’s Federal School Title IV code is 003954. Regulations are subject to change at any time.

Application Priority Date
All students must apply or reapply annually 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 no later than December 1 to meet the university’s 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 Direct Stafford Loan, and Federal Direct PLUS Loan;

Students should not wait to be admitted to UCF before applying for financial aid; however they cannot be offered a financial aid package until they have been admitted to the university;

Federal Pell Grants and Federal Direct 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 enrolling in the fall semester should submit all requested documents by the May 30th priority deadline for timely review and processing of their financial aid file. However, all students should have a completed financial aid file at least 60 days prior to the beginning of any given semester. Students who apply late for aid should be prepared to cover their own living expenses, out-of-pocket, well into the term;

A broad range of scholarships is available with diverse criteria. Please review the Scholarship page found on the website for additional information.

STUDENT FINANCIAL ASSISTANCE

Office of Student Financial Assistance
Director: Alicia Keaton
MH 107; Switchboard: 407-823-2827; Fax: 407-823-5241
Email: finaid@ucf.edu
http://finaid.ucf.edu

Office Hours:
Monday and Thursday: 9:00 a.m. - 5:30 p.m.
Tuesday, Wednesday, Friday: 9:00 a.m. - 5:00 p.m.
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A broad range of scholarships is available with diverse criteria. Please review the Scholarship page found on the website for additional information.

Application Procedures
The FAFSA can be filed electronically at http://www.fafsa.ed.gov; using the IRS Data Retrieval Tool found within the FAFSA is the most accurate, and secure method of providing the required federal tax information. Applicants who use the unchanged data generated by the IRS Data Retrieval Tool will not be required to provide federal tax return transcripts from the IRS to the financial aid office. Students who are selected for verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, may be required to submit IRS tax return transcripts to verify tax information. Per federal regulations, copies of income tax returns (Form 1040, 1040EZ, etc.) are no longer acceptable. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries;

Information provided on the Student Aid Report (SAR) should be reviewed thoroughly;

Review all correspondence, follow instructions on the Student Aid Report (SAR), and follow through within 5 – 10 business days. 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. Subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests will expedite completion of this process;

Students selected for verification for the 2017-18 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have a completed financial aid file no later than 60 days prior to the beginning of a semester;

Late or incomplete submission of documents can result in delayed disbursements or possible loss of eligibility for aid;

Offered federal funds and other need-based financial aid are considered estimates 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 of study. Only courses toward degree requirements count for financial aid purposes;

Students must maintain UCF’s Standards for Satisfactory Academic Progress (See http://finaid.ucf.edu/applying/app适Costs.html for more information);

Students are required to inform the Office of Student Financial Assistance of any additional sources of aid they expect to receive beyond those listed on the award notification or award information provided on the Student Center on myUCF. Any subsequent awards or income may require a revision of the financial aid package. 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 (See http://finaid.ucf.edu/applying/app_costs.html for more information);

Students must not be in default on any federal educational loan or owe repayment on a federal grant at this or any other institution;

Students must provide all information requested for the completion of their file. If selected, verification must be completed within specified deadlines and prior to the receipt of all federal and most state and institutional funds;

Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA;

Students must reapply annually for financial aid;

Students must accept, reduce or decline offered loan(s) on the myUCF View Financial Aid screen. First time borrowers must complete an online Entrance Counseling and Master Promissory Note (MPN) for a Federal Direct Stafford Loan at UCF;

Students must be U.S. citizens or eligible non-citizens, (e.g. resident aliens). Eligible non-citizens include a permanent U.S. resident with a Permanent Resident Card (I551); a conditional permanent resident with a Conditional Green Card (I-551C); as well as some I-94 classifications;

Students must have a high school diploma, GED certificate, or completed secondary school through homeschooling as defined by state law;

UNIVERSITY OF CENTRAL FLORIDA
For need based programs, students must show financial need as determined by the FAFSA; Male applicants must be registered with Selective Service, if applicable.

**Program Eligibility Charts**

To ensure enrollment in sufficient hours for the various financial aid programs, please refer to the Program Eligibility Charts on the website, under Receiving Aid (See http://finaid.ucf.edu/receiving/pec.html for more information).

**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 the university’s application priority date;
- Use the IRS Data Retrieval Tool located within the FAFSA application. Applicants who use the unchanged data generated by the IRS Data Retrieval Tool will not be required to provide federal tax return transcripts from the IRS. Students who are selected for verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, will be required to submit IRS tax return transcripts to verify tax information. Per federal regulations, copies of tax returns (Form 1040, 1040EZ, etc.) are no longer acceptable. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries;
- Students selected for verification for the 2017-18 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have a completed financial aid file no later than 60 days prior to the beginning of a semester;
- Start a folder to save financial aid information and photocopies of all documents filed and received. Include student’s name and UCF ID on all documents submitted. (Do not submit originals; documents will be shredded after scanning.)
- Students should activate their Knights Email account and check it regularly to avoid missing important and critical information from the Office of Student Financial Assistance and the university;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Direct Stafford Loan, even if it doesn’t seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered.
- Respond promptly to all information requests; late or incomplete submission of documents can result in delayed disbursements or possible loss of eligibility for aid.
- Students may visit the office during normal business hours to speak with a counselor;
- Comprehensive financial aid information can be found on the website: http://finaid.ucf.edu.

**School Costs**

Estimated student budgets have been developed as a guide to help students anticipate their costs at UCF. Please refer to the website at http://finaid.ucf.edu/applying/app_costs.html for the estimated Cost of Attendance. The Cost of Attendance is not a bill. It is considered estimated charges a student can expect to incur upon enrolling in classes at the university.

**Estimated Cost of Attendance for 2017-2018**

**Undergraduate Students**

Fall/Spring based on 14 hours per term

<table>
<thead>
<tr>
<th>Florida Residents</th>
<th>Non-Florida Residents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living Arrangement</td>
<td>On/Off Campus</td>
</tr>
<tr>
<td><strong>Tuition and Fees</strong></td>
<td>$5,954</td>
</tr>
<tr>
<td><strong>Books</strong></td>
<td>1,152</td>
</tr>
<tr>
<td><strong>Room &amp; Board</strong></td>
<td>9,764</td>
</tr>
<tr>
<td><strong>Transportation</strong></td>
<td>1,866</td>
</tr>
<tr>
<td><strong>Personal Expenses</strong></td>
<td>3,104</td>
</tr>
<tr>
<td><strong>Total Costs</strong></td>
<td>$21,840</td>
</tr>
</tbody>
</table>

**Financial Aid Programs Available at UCF**

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

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.

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.

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.

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. First time Federal Direct loan borrowers are subject to a maximum time period (measured in academic years) to receive Federal Direct Subsidized Loans. Students that received Federal Direct Subsidized Loans for more than 150% of the published length of their academic program. This time limit does not apply to Direct Unsubsidized Loans or Direct PLUS Loans. Visit our website for details.

**Award Notification**

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

Financial aid 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.

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 requirements for each program, which can be found on the Program Eligibility Charts on the website. When requirements are no longer met, awards will be adjusted as necessary and will update on myUCF. All awards are subject to change.

**Deferrals of Tuition and Fees**

Deferrals allow for the delay that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is generally two weeks after the term begins. The deferral process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the website for more information. Students should use myUCF to obtain up-to-date information. In order for loans to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. In order to have access to accept loans, all required items on the To Do List must be submitted. Students must drop classes prior to the end of Drop/Swap and tuition/fee due date in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferral may keep the classes active even if they never attended.
Confirmation of Academic Engagement and Disbursements

Timing of disbursements is contingent upon students meeting all conditions for receiving aid. Disbursement of financial aid begins the second week of the semester and continues each week thereafter. During the first week of classes students are required to confirm academic engagement in each of their courses. This is done through either the student completing an academic activity that has been established by the faculty member or by faculty physically taking attendance. Students may complete the academic activities after the first week of classes but they may receive a later disbursement of aid for those courses. At the end of the Drop/Swap and Add period, awards are adjusted based on the student’s enrollment and confirmation of academic engagement. The week following, the disbursement process is initiated by moving students’ awards to the student’s account. Once funds are disbursed to the Office of Student Account Services, the disbursement record is posted on myUCF under “View My Account” on the Student Center. Charges appearing on the student’s account will be deducted at that time. Any remaining financial aid will be processed as a refund with the exception of any Federal Direct PLUS Loan for Parents, which will be disbursed to the parent at their mailing address. If charges remain on the account after disbursements, or if subsequent charges are made to the student’s account, it is the student’s responsibility to ensure they are paid. Students signed up for direct deposit should allow up to four business days for funds to show in their bank account. For refund checks that are being mailed, students should allow at least a week to receive their check at their current mailing address reflected on myUCF.

Students should be aware of the disbursement process so that they are prepared to use their personal savings for anticipated expenses such as books and supplies at the beginning of the term. The Short Term Advance (STA) for Books or the Textbook Purchase Program is available for students to help with these expenses. The STA application is available for download prior to each term, so that funds may be available as early as two weeks before the first day of classes. For additional information regarding these two programs, visit: http://finaid.ucf.edu/receiving/funds_for_books.html.

Satisfactory Academic Progress (SAP)

Federal regulations require the University to establish Standards of Satisfactory Academic Progress as a general eligibility requirement for financial aid. A student must maintain satisfactory academic progress in a course of study regardless of whether the student previously received financial aid or transferred in from another institution.

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

- Maintain a minimum cumulative GPA of a 2.0 at the undergraduate level.
- Complete a minimum of 70% of all credit hours attempted including accepted transfer hours.
- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of attempted hours based on their classification. This includes transfer hours accepted toward the degree plus all UCF hours (see chart below).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Maximum Hours Allowed For Completing Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>180 Attempted Hours</td>
</tr>
<tr>
<td>Second Undergraduate</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Graduate Certificate</td>
<td>27 Attempted Hours (includes all hours taken while classified as a graduate certificate student)</td>
</tr>
<tr>
<td>Masters</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Specialist</td>
<td>100 Attempted Hours (including all graduate level hours)</td>
</tr>
<tr>
<td>Doctor</td>
<td>120 Attempted Hours (including all graduate level hours)</td>
</tr>
</tbody>
</table>

Students who do not meet the above standards will be placed on financial aid warning for the next semester. At the end of that semester, students must either meet the standards or aid will be canceled for future terms until student either meets the standards or the student has an appeal approved placing them on financial aid probation with an academic plan on file demonstrating the requirements for the student to get back on track towards graduation.

Repeated course/s, including the original attempt, will be counted towards the completion ratio and maximum time frame requirements.


Re-establishing Eligibility after Cancellation

Any student with extenuating circumstances, (i.e., death of a relative, an 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, has brought up the percentage to a minimum of 70%, the student will be reinstated during the end of the semester review process. If a student was canceled for not meeting the GPA requirement, they will be placed back on a reinstated status once their GPA has been brought up to the required level during the end of semester review process.

To appeal, the student must:
- Complete the Satisfactory Academic Progress Appeal Form; (available at http://finaid.ucf.edu, under Forms).
- Include a detailed statement that explains the extenuating circumstances that prevented or resulted in the student not meeting the SAP standards.
- Attach documentation supporting specific circumstance(s) to the appeal form;
- Meet with an Academic Advisor and have the advisor complete an Academic Plan for Financial Aid;
- Submit the appeal, supporting documentation, and academic plan 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 email communication or the student may view the updated status on myUCF, under View Financial Aid Status.


Satisfactory Academic Progress Probation

Students who submit a SAP Appeal that is approved will be placed on Financial Aid Probation, and will be continued on Financial Aid Probation status as long as they successfully comply with the prescribed academic plan that is submitted as part of the SAP Appeal. Progression will be monitored during the probationary period at the beginning and end of each semester to ensure the student is following the prescribed academic plan and successfully matriculating through their program of study. Disbursements will not be made for a semester unless it is verified that the prior review (if applicable) was acceptable and student is in the proper classes for the term in question. All probation students must successfully complete a minimum of 70% of the credit hours that they attempt each semester. In addition, students on probation for GPA and/or completion ratio must make positive progression in the appropriate area(s).

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, School Code 003954, by utilizing Part II of the Student Aid Report and adding the UCF School Code to the online FAFSA, or calling the Federal Student Aid Information Center at 1-800-4 FED AID. The To Do List on myUCF will indicate any required forms.

Transfer students expecting to receive the Florida Bright Futures Scholarship at UCF are required to contact the Florida Department of Education Office of Student Financial Assistance (OSFA) to transfer their scholarship from their previous institution to UCF. Students can call OSFA at 1-888-827-2004 or log onto the Bright Futures Scholarship website at https://www.floridastudentfinancialaidsg.org/home/ApplyHere.asp to transfer the scholarship to UCF.

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;

For more information, please refer to http://finaid.ucf.edu/receiving/sap.html.
you are married at the time the original FAFSA was filed for the year;
you are or will be enrolled in a master's or doctorate degree program (beyond a bachelor's degree) at the beginning of the 2017-18 school year;
you now have or will have children who receive more than half their support from you;
you have dependent(s) (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 30, 2018;
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 have engaged in active duty (including basic training) in the U.S. Armed Forces, or are a National Guard or Reserves enlistee who was called to active duty for other than state or training purposes, or were a cadet or midshipman at one of the service academies, and were released under a condition other than dishonorable. You are not a veteran now but will be one by June 30, 2018.
at any time since you turned 13, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;
you are 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 or were self-supporting and at risk of being homeless;
you were determined, by the director of an emergency shelter or transitional housing program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless anytime on or after July 1, 2016; or,
you were determined, by the director of a runaway or homeless youth transit center or core program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless anytime one or after July 1, 2016.

Transient 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. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. Transient enrollment will not meet eligibility criteria for institutional aid programs, such as UCF Grant, UCF Scholars Award or Pegasus Scholarships. Check the Program Eligibility Chart for detailed requirements for each program. Students who expect to receive funds under any of the federal loan programs must use the minimum of six units calculated based on the academic year in UCF classes to meet eligibility requirements.

UCF students attending a Florida public community/state college or university must complete the Transient Student Admission Application through Florida Shines at https://www.floridashines.org/.

UCF students attending any college or university other than a Florida public institution must submit the following documents to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:
1. Transient Notification Form for Financial Aid for Out of State and Private Institutions
2. A copy of the Fee Invoice and Class Schedule from the transient (host) Institution.
3. A copy of the Transient Student Approval Form with required signatures from Academic Advisor, Academic Services (if required) and UCF Registrar's Office.
4. A completed Consortium Agreement Form signed by the transient school's Financial Aid Office.

Students who are enrolled in transient hours must make arrangements to pay tuition and fees at the visited school since there is no system for deferral of those tuition and fees. In addition, it is the student's responsibility to ensure that the visited school promptly provides the UCF Registrar's Office with academic transcripts at the conclusion of the term, confirming that the attempted hours are completed. This will help avoid Satisfactory Academic Progress problems.

Students may not receive financial aid from two institutions for the same semester. 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. To prevent over awards, students are required to notify the Office of Student Financial Assistance of any potential awards not already listed on the student’s financial aid award summary on the Student Center in myUCF. In the event of an over award, the student’s award package is reduced to eliminate the over award, which may result in a repayment to the institution of the over award. This includes late scholarship notifications that may occur during the academic year. Students are advised to discuss the impact of receiving scholarship funding after other financial aid funds have disbursed with the financial aid office.

Refunds and Return of Title IV Funds
Students should be aware that if they completely withdraw (officially or unofficially) from the university after having received financial assistance, they may be required to repay a portion of that assistance. Students who received Federal Direct Stafford Loans should also know that the Registrar's Office is required to notify the National Student Loan Data System (NSLDS) of student withdrawals. This may change their loan deferment status with their loan servicer(s).

Professional Judgment
The federal methodology 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 (i.e. loss of employment, divorce, death of parent/spouse, etc.) should contact the office to review their specific situation with a counselor. If a student presents extenuating circumstances, an appeal can be submitted to include support documentation for review. The appeal will be reviewed and a decision will be made through the Professional Judgment review process.

Repeated Coursework
Federal regulations state that students may only receive federal financial aid funding for one repetition of a previously passed course. As a result, any repeated course(s) that the student enrolls in (current or future terms) cannot be used in the calculation of his/her enrollment level for financial aid purposes for that particular term, regardless of whether or not financial aid was received for the course(s). The repeated course(s), including the original attempt, must be counted towards maximum time frame and hours completion ratio requirements for Satisfactory Academic Progress purposes, which can impact a student’s financial aid eligibility. For detailed information, visit registrar.ucf.edu/receiving/repeat_coursework.html.

Maximum Time Limitation on Direct Subsidized Loan Eligibility
There is a limit on the maximum period of time an undergraduate student can receive Direct Subsidized loans. First time Federal Direct loan borrowers on or after July 1, 2013, are subject to a maximum time period (measured in academic years) to receive Federal Direct Subsidized Loans. In general, students may not receive Direct Subsidized Loans for more than 150% of the published length of their program of study. This time limit does not apply to Direct Unsubsidized Loans or Direct PLUS Loans. Visit our website for more information.

Excess Hours Surcharge
In 2009, the Florida Legislature implemented Section 1009.286, Florida Statutes, to encourage students to complete their baccalaureate degree as quickly and efficiently as possible and established an excess hour surcharge. The bill requires universities to add a surcharge to each credit hour taken in excess of the total number of credit hours required to complete the degree being pursued. The amount in excess of total hours is calculated based on a percentage defined in statute and is referred to by UCF as baseline hours limit. The amount charged per credit hour is a calculated amount referred to as the excess hour surcharge.

The financial aid office cannot increase students cost of attendance as a result of being charged the excess hour surcharge nor can federal financial aid be used to pay for this charge. State, institutional, and private funding can however pay this charge. The excess hour surcharge is a state statute and should not be confused with the federal SAP standards. Students are encouraged to meet regularly with their academic advisors to map out a timely completion of their degree. For more information, please refer to registrar.ucf.edu/excess-hours.
Student Account Services
Senior Associate Controller: Kelly D’Agostino
MH 109; 407-823-2433.
Email: stuaccts@ucf.edu
http://www.studentaccounts.ucf.edu/

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

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.

Tuition Fee Invoice: A student’s Fee Invoice will show all tuition and fee charges, payments and deferments associated with the term, and courses in which the student is currently enrolled. The Fee Invoice will not show fees such as housing, library, parking, etc. Tuition Fee invoices are available 24/7 on the web https://my.ucf.edu, and from the student’s college advising offices. Students should review their current Tuition Fee Invoice prior to making a payment. Tuition Fee invoices are not mailed. The Tuition Fee Invoice should be reviewed once after initial registration of courses and also after making any changes to the initial registration to ensure that the fees are adjusted accordingly.

Fee Payment Deadlines: All University tuition and fees must be paid by the published dates. Tuition and fees not paid or deferred by the payment deadline for each term will result in late fees and may result in the cancellation of all classes. Refer to the Academic Calendar each term for the fee payment deadlines.

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

Student Financial Responsibility Statement
Registration at UCF requires students to acknowledge the following financial responsibility statement:

You are responsible for paying for any course for which you are enrolled in at the end of UCF’s drop period. If your account becomes delinquent, you agree to reimburse UCF for the fees of any collection agency, which may be based on a percentage of the delinquent account balance.

Fee Responsibility: By registering for courses at UCF, I promise to pay the university the principal, and any late fees, fines or penalties, by the due dates stated on my student account and in applicable university catalogs and/or websites. I understand that withdrawal for each term begins after the drop deadline and that I remain fee liable for any charges on which I withdraw. I understand that non-attendance does not constitute a drop or withdrawal. I also understand that notifying my professor, advisor, or other university representative does not constitute a drop or withdrawal. If I withdraw from courses with the intent of not returning to UCF, I must also drop courses for any future terms or I shall be held responsible for all charges incurred. I understand that my financial aid may be adjusted due to my student eligibility and/or student status (e.g., part-time, full-time). In connection with any such adjustments, I agree to repay UCF any amounts that the university pays, on my behalf, to lenders or other financial aid providers and that such amounts constitute an educational loan from the university.

Bankruptcy: UCF is an institution of higher education. As such, certain financial obligations are considered to be an educational loan offered for the sole purpose of financing an education and therefore is a non-dischargeable debt, pursuant to United States Bankruptcy Code section 523(a)(8).

Official Notification: I understand that UCF sends electronic notifications (emails) to my official Knights e-mail account to communicate important updates, and that I am responsible for taking action on correspondence sent to this address.

Payment Procedures
Payment must be received or postmarked no later than the fee payment deadlines as specified on the Academic Calendar. The primary form of payment of most account holders is on-line through the E-pay system via the myUCF portal. Students can pay using a check or a credit card in this system. Payments cannot be transacted by telephone.

Acceptable forms of payment:
- Personal Checks
- Credit Cards (Acceptable credit card types are American Express, MasterCard, and Discover). Please review the Student Account Services website at http://www.studentaccounts.ucf.edu/ for current payment information.

E-Pay - https://my.ucf.edu – E-Check (Personal Check) or Credit Card
- A nonrefundable convenience fee will apply per credit card transaction.
- Payments made at any time on the published fee payment deadline will be considered on time.

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 due date on his or her fee invoice.

Financial Aid – see Student Financial Assistance for rules and procedures. All fees not deferred by financial aid are due by the due date on his or her fee invoice.
Student Tuition and Fees

For information regarding Florida Prepaid College Plan or Tuition Waivers, please refer to the Student Account Services website at http://www.studentaccounts.ucf.edu/.

UCF Payment Plan
The UCF payment plan is a 2-payment design in which the student pays $15 upfront to be allowed to pay only 50% of the total tuition bill by the regular payment deadline, therefore avoiding a late payment fee, and being dropped for non-payment. The student is then responsible for paying the remaining 50% by the Payment Plan deadline on their Fee Invoice. Students receiving financial aid, Florida Prepaid, waivers, or third party payments already have an extended payment deadline and will not be eligible for the UCF payment plan.

Florida Prepaid
UCF Student Account Services will automatically defer tuition and fees and bill Florida Prepaid (FPP) up to the maximum billable amount based on the number of credit hours enrolled. Students with active FPP deferrals will see the Estimated FPP showing on their Fee Invoice for the term. Please note that no FPP Plan will cover 100% of the fees associated with the tuition assessed. Student Account Services use an automated system to identify students with active FPP accounts, which eliminates the need to turn in a FPP Card.

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://calendar.ucf.edu for registration dates and times. The tuition fee 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 prior to the end of the Drop period; 2) Cancellation of a course by the University.

Partial Refund (25%)
25% of tuition and associated fees assessed and paid, adjusted for waivers, 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.

A written appeal for a refund or other appeal action must be submitted to the University within six (6) months of the close of the semester to which the refund or other appeal action is applicable.

Exceptional Circumstances
Refunds for exceptional circumstances may be available for certain Administrative Record Changes of 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. Please visit the Academic Services website for more information.

A written appeal for a refund or other appeal action must be submitted to the University within six (6) months of the close of the semester to which the refund or other appeal action is applicable.

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 into the student’s checking account to any U.S.A. bank in the federal system. Funds are usually available within 24-48 hours after disbursement, and enrollment only takes a few minutes. To enroll, sign in at https://my.ucf.edu and click on Student Self Service. Go to the Student Account Services 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 the responsibility of 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.

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

Late Registration Fees are charged to students who enroll following the close of the regular registration period 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 minimum.

Late Payment DNP (Drop for Non-Payment) Fees are charged to students who are dropped for non-payment of courses per term minimum.*

*Summer term is divided into sessions, and the late fees are charged per session.

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, F.S., State Board of Education, Rules 6A-10.044 & 6A-20.003, and Board of Governors Regulation 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

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

1. Documentation establishing legal residence in Florida (this document must be dated at least one year prior to the first day of classes of the term for which resident status is sought). The following documents will be considered in determining legal residence:
   a. Declaration of Domicile (Note: the Declaration of Domicile will support a claim of residency for tuition purposes only after a period of 12 months from the date that the Clerk of the Court notes that the declaration was sworn and subscribed to them.)
   b. Proof of purchase of a home in Florida in which the student resides;
   c. Proof that the student has maintained residence in the state for the preceding year (e.g., leases, 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 or Florida identification;
   e. Proof of real property ownership in Florida (e.g., deed, tax receipts) where you reside;
   f. Verification of permanent employment, full-time (30 hours/week x 52 weeks) 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 of residence elsewhere;
   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 active drilling members of the Florida National Guard,
   Or
   Be a member of the full-time instructional or administrative staff of a state public school, Florida College System institution, or university in Florida, a spouse or dependent,
   Or
   Military Personnel (and spouse/dependent children) not stationed in Florida whose home of record or state of legal residence certificate is Florida,
   Or

Be a dependent and have lived five years with an adult relative, who has established legal residence in Florida,

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,

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

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,

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

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,

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

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

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

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

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

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 copies of all documents that support the student’s Florida residency claim. Residency reclassification requests are subject to Florida Statute 1009.21, F.S., State Board of Education, Rules 6A-10.044 & 6A-20.003, and Board of Governors regulation 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
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residency in Florida for tuition purposes. The student who comes to Florida to enroll in a Florida post-secondary educational institution as an out-of-state resident and continuously enrolls in a Florida institution normally will not meet the Florida residency requirement for in-state tuition regardless of the length of time enrolled. Living or attending school in Florida merely evidences physical presence. The student must provide documentation verifying that he or she has formed significant legal ties to the State of Florida. This documentation must establish that the Florida residence constitutes a bona fide domicile rather than serving the purpose of maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education. Evidence establishing legal ties to states other than Florida may disqualify the student from Florida residency for tuition purposes. All determinative documents must be dated at least 12 months before the first day of class for the term in which residency is sought.

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

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

All readmitted students are required to submit copies of two documents (more may be requested) such as, driver’s license, vehicle registration, and/or voter registration, to verify that they qualify and to update residency information on file. Requests for proof of residency for UCF students looking to transfer or become transient students at another institution must be submitted in person or in writing. UCF is authorized to make discretionary judgments as to residency within the bounds of the law and in reaching this professional judgment will evaluate all documents submitted and information available. Students who feel an erroneous decision was made regarding their residency reclassification may request an appeal in writing to the UCF Residency Appeals Committee through the Registrar’s Office.
Division of Student Development and Enrollment Services

*Vice President for Student Development and Enrollment Services: Maribeth Ehasz*
MH 282; 407-823-4372
http://www.sdes.ucf.edu

**Introduction**

The Division of Student Development and Enrollment Services (SDES) engages students in the total collegiate experience — from identification, recruitment, matriculation, and investment, to successful progression, graduation, and employment in a global workforce. This is accomplished by providing opportunities for enriched student development, leadership growth, experience-based learning, values education and civic engagement which lead to overall student success. SDES affirms that the student who comes to UCF should not be the same student who graduates from UCF. We embrace the tenets of the UCF Creed – Integrity, Scholarship, Community, Creativity, and Excellence as a framework for developing student learning outcomes to facilitate transformational learning.

**Goals of the division are to:**

- Promote student progression to graduation, graduate and professional school, and productive employment.
- Create opportunities for students to develop and strengthen leadership skills.
- Assist students to further develop purpose, integrity, ethical practices, and civic responsibility.
- Embrace diversity and inclusiveness.
- Foster student engagement in the Central Florida citi-state and the global community.

**Academic Services for Student-Athletes (ASSA)**

*Director and Senior Associate Athletic Director: Eric A. Wood*
Wayne Densch Center for Student-Athlete Leadership; 407-823-5896
Email: assa@ucf.edu
http://assa.sdes.ucf.edu

The Office of Academic Services for Student-Athletes, which is housed within SDES, works in collaboration with the Athletics Department to assist student-athletes in their efforts to establish and achieve their personal, professional and academic goals. In addition, ASSA ensures student-athletes understand NCAA Division I, American Athletic Conference and UCF academic eligibility rules and requirements.

ASSA services include:

- Providing transition services that promote the academic success of student-athletes.
- Guiding student-athletes in their selection of meaningful and appropriate major and minor fields of study.
- Assisting student-athletes with course registration, understanding of policies and procedures, and tracking progress towards degree completion.
- Organizing study halls, academic mentoring, and tutorial services.
- Directing students to utilize the full spectrum of other university services.
- Preparing student-athletes in their career planning and development.
- Assisting student-athletes with educational impacting disabilities including learning assessments and accommodations.
- Providing student-athletes with computer access and services.

**Activity and Service Fee Business Office (ASF)**

*Director: Richard Phillips*
SU 215; 407-823-5548
Email: asf@ucf.edu
http://asf.sdes.ucf.edu

The Activity and Service Fee Business Office services the purchasing, accounting and personnel needs of Activity and Service Fee funded departments and agencies and provides a variety of services to UCF students. ASF is also a support office for registered student organizations and UCF students that are allocated Activity and Service Fee funds by the Student Government Association. The office administers an online financial training course that must be completed by all students that are allocated Activity and Service Fee funds and by the officers of all registered student organizations. In addition, the office manages the Student Government Association Ticket Center which sells a variety of specially-priced tickets to local theme parks, movie theaters, and attractions.

**Career Services (CS)**

*Executive Director: Lynn Hansen*
CSEL; 407-823-2361
Email: career@ucf.edu
http://career.sdes.ucf.edu

Career Services offers a comprehensive range of services to help UCF students of any major reach their academic and career goals with a talented staff of career professionals. These comprehensive services are designed to help first year through graduate students with all phases of career development to include:
these programs and services are available through drop-in assistance, scheduled appointments, workshops, and major events.

Counseling and Psychological Services (CAPS)

Director: Karen Hofmann
Counseling and Psychological Services Center; 407-823-2811
Email: caps@sdes.ucf.edu

Counseling and Psychological Services serves currently enrolled UCF students seeking assistance with developmental and mental-health related concerns by offering a wide variety of services and programs free of charge. CAPS is composed of professional staff including licensed (and licensed eligible) psychologists, mental health counselors, social workers, and graduate level counselors-in-training who provide a safe and confidential environment in which students can explore and resolve personal concerns and issues. CAPS is open Monday through Thursday, 8 a.m.-6 p.m. and Friday, 8 a.m.-5 p.m., during fall and spring semesters and Monday through Friday, 8 a.m.-5 p.m., during the breaks and summer semesters.

CAPS offers:
- Short-term individual therapy.
- Group therapy and workshops.
- Crisis intervention and walk-in appointments.
- Couples therapy (*both need to be UCF students).
- Outreach presentations and workshops.
- Consultation to faculty, staff, parents, and students.
- Referral services to community and campus resources.

Creative School for Children (CSC)

Director: Amy Hesse
CSC1; 407-823-2726
Email: csc@ucf.edu
http://css.sdes.ucf.edu

The Creative School for Children is an Educational Research Center for Child Development that provides quality early learning experiences for children ages 6 weeks to 5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC) and Florida Gold Seal. The learning environment in the CSC classroom is facilitated by highly skilled, degreed teachers who offer a wide variety of experiences through the implementation of the Creative Curriculum, the Project Approach and Conscious Discipline in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned field trips and special family programs are part of the annual schedule. CSC offers the Florida State Voluntary Pre-K (VPK) program for age eligible four-year-old children and now offers an evening program for children ages 2-12 years old. Evening care runs concurrently with the UCF and CSC academic calendar. Experiences in observation, volunteerism, and training in the academic areas are available to university students and 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.-5:30 p.m., Monday through Friday. Evening program hours are 5:35-9:15 p.m., Monday through Thursday, during the fall and spring semesters.

First Year Advising and Exploration (FYAE)

Director: Stephen O’Connell
HPH 116; 407-823-3789
Email: fyae@ucf.edu
http://fyae.sdes.ucf.edu/

UCF recognizes that starting in a new learning environment can present many challenging life transitions for incoming freshman students. First Year Advising and Exploration has been established to prepare and advise first-time-in-college students not assigned to other SDES advising offices. The overarching 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 progression at UCF. Students who have not selected a major (Undeclared students) are provided focused advising support services through the Major Exploration Program to assist them in the major selection process.

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, individual appointments, outreach programs and email 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. FYAE also offers academic advising at their satellite office located in Academic Village. FYAE advisors have been designated for first-year students in the EXCEL, COMPASS, freshman LEARN living learning community, STEP, Pegasus Success, SOAR, CAP and Out of State Student Mentoring (OSSM) living learning community programs. In addition, high school students admitted to UCF as part of the Early Admission or Dual Enrollment programs are advised through FYAE.

FYAE advisors assist all undeclared students in major exploration and connecting with Career Services and referrals to the appropriate Colleges Offices. FYAE collaborates with the college advising support units, and other campus student support offices, in providing information resources and academic advising services through advising appointments, and student outreach program sessions. The office also supports student engagement throughout the second year.

Major Exploration Program (MEP)

HPH 116; 407-823-3789
http://mep.sdes.ucf.edu

The MEP has been developed to provide structured experiences to assist students who are undecided about a major. Students are provided with major exploration and career development connections as primary advising initiatives so they can make an informed decision on their future major at UCF. MEP has several components including coordinated academic advising services from a first year advising office, major and career exploration programming activities, and online assessment tools. The program’s services are also available to first-year students who are unsure about their major choice and to those considering a change of major.

First Year Experience (FYE)

Interim Director: Paige Woods
HPH 216; 407-823-5105
Email: fye@ucf.edu
http://fye.sdes.ucf.edu

The First Year Experience office combines orientation with extended first year transition programs including UCF’s official Welcome Week, Pegasus Palooza, LINK (Learning and Interacting with New Knights), Convocation: The Knighting, Common Reading Program, Out of State Student Mentoring Program (OSSM), and the Strategies for Success (SLS 1501). FYE assists entering freshmen and transfer students with their transition to UCF by providing information about student services, campus life, academic support, academic advising, and registration. Freshmen and transfer students are required to attend an orientation session prior to registering for classes. Students register for the program by visiting the FYE website at http://fye.sdes.ucf.edu. In addition, LINK assists FTIC students in their transition by creating, coordinating and promoting campus-wide, co-curricular educational programming and activities. Students also have the opportunity to serve in a variety of leadership roles with FYE including the Orientation Team (O-Team), OSSM peer mentors, and Student Orientation Coordinators. FYE also oversees the Pegasus Parent Program, which aims to provide parents of UCF students with important information about UCF and its resources. Family Weekend is a part of the Pegasus Parent Program and occurs every fall semester during a home football game weekend.

Fraternity and Sorority Life (FSL)

Director: Woody Joseph
4100 Greek Park Drive (Fraternity and Sorority Life Building); 407-823-2072
http://fsl.sdes.ucf.edu

The Fraternity and Sorority Life office is committed to providing excellence in active advising of fraternity and sorority leaders that will create lifelong bonds through the principles encompassed in fraternal values. FSL fosters an inclusive environment and commitment to student growth, academic excellence, civic engagement, leadership development, positive relationships, and risk-reduction education. It encompasses small group living and more importantly, developmental
programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council (PAN), Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

FSL can offer students a “home away from home,” a scholastic support system, networking opportunities, an organization for community service, transferable skills for management and leadership development, and a foundation for long-lasting friendships. You can follow what’s happening within the Greek community via our Facebook page or on Twitter. Currently, there are 49 fraternities and sororities on UCF’s campus with more than 4,000 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. It is important to be familiar with each council’s specific recruitment or new member intake process. For details, visit http://fsl.sdes.ucf.edu and select “Councils.” We encourage you to familiarize yourself with all of the councils to better understand the diversity of the Greek community and what each council has to offer.

Housing and Residence Life (HRL)

Executive Director: Christi Hartzler
HAB 123; 407-823-4663
http://www.housing.ucf.edu

The Department of Housing and Residence Life offers housing on the Orlando campus and the Rosen College of Hospitality Management campus for regularly enrolled students paying tuition and fees for a minimum of nine credit hours. Living on campus is strongly encouraged for first-year students, and limited space is available to upper-classmen and graduate students. Eligibility information can be found on our website. Incoming first-year students may apply for housing immediately after being offered admission to the university. The online application process is available through myUCF. There is not enough on-campus housing for all students. Therefore, all students desiring to live on-campus should apply as early as possible. Application periods include academic-year agreements (fall/spring) with a separate application for summer or 11.5 month annual agreements (fall/spring/summer). Many types of housing are available, ranging from suite-style shared-bedroom residence halls to luxury apartments with private bedrooms and bathrooms. Many first-year students who apply for academic year agreements will receive assignments in shared-bedroom suite-style residence halls. Private bedrooms in apartments are guaranteed only in the Towers at Knights Plaza located on the Orlando main campus, NorthView, located adjacent to the main campus or the Rosen College of Hospitality Management Student Apartments, located at the Rosen Campus. 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 Academy (LSA)

Director: Stacey Malaret
FC 165; 407-823-2223
http://lsa.sdes.ucf.edu

The mission of the LEAD Scholars Academy is to establish an environment that will provide comprehensive leadership education, development, and civic engagement opportunities for the UCF community. Through collaboration and partnerships, the LSA incorporates established leadership models to create professional, academic and experiential opportunities that challenge, empower, and educate students to become social change agents and encourages citizenship in a global society.

The primary vision for the area is the development of an intentional and comprehensive program that targets specific groups, as well as provides campus-wide opportunities for students regardless of their class standing and/or level of involvement experience. Leadership programs will vary in duration from an extended program that may last several weeks or years to a one-day workshop. The focus is to provide a variety of programmatic options that recognize students have different needs, time constraints, and levels of interest.
The LSA first-year program provides academic, service and experiential opportunities for students that combine in and out of classroom challenges in both an academic and co-curricular environment. The application process for this program is open to all first-time in college students prior to the beginning of their UCF career. Those accepted into the program have achieved student success.

All UCF students may participate in the LSA through various experiential tracks including civic engagement, women’s leadership, multicultural leadership, undergraduate research, the virtual leadership academy, global leadership, and the Clinton Global Initiative University program.

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

Multicultural Academic and Support Services (MASS)
Director: Wayne Jackson
SU 154; 407-823-2716
http://mass.sdes.ucf.edu

The Office of Multicultural Academic and Support Services provides comprehensive academic support, cultural enrichment, consultation, and referral services that promote the retention and graduation of multicultural and First Generation college students. MASS offers personalized advising and support; monitors academic progress; sponsors a six-week summer program, Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother, Knight Alliance Network (for Foster Care alumni) and Multicultural Transfer Student Programs. MASS serves as the focal point of operations in addressing the specific needs, issues, and concerns that confront multicultural and First Generation college students at UCF.

Neighborhood Relations and Safety Education (NRSE)
Assistant Vice President, Student Development and Enrollment Services: A.J. Range
12424 Research Parkway, Research Pavilion, Suite 110; 407-823-6505
http://nrse.sdes.ucf.edu; http://offcampus.ucf.edu

While Neighborhood Relations and Safety Education is charged with assisting and providing unbiased information and resources for students, parents, faculty, and staff with their search for off campus housing accommodations, its first mission, however, is to support and promote on campus housing for students. The NRSE office also has contact with and communicates to local off campus apartment communities regarding student housing opportunities. This office also offers neutral guidance and instructions for students wishing to sublease their off campus apartment; and offers “moving off campus” consultations and information about local services, transportation, and furniture rental.

NRSE further serves UCF students, who live off campus, with directions and information regarding a variety of on campus programs, events, activities, and services. This office fosters a supportive and developmental environment for off campus students by providing advocacy for resolving problems, “on the spot” or through campus referrals, and by exploring other available resources. Moreover, NRSE also works in the local neighborhoods, adjacent communities, and nearby subdivisions with the HOAs, local police officers, community leaders, residents, and students to create, build, and enhance good neighborhood relations and effective civic engagement and responsibility. Finally, NRSE provides timely, awareness, and education to students in an effort to prevent, protect, respond, and recover from safety and security challenges off campus.

Office of Student Involvement (OSI)
Director: Shane Juntunen
SU 208; 407-823-6471
Email: osi@ucf.edu
http://osi.ucf.edu

The mission of the Office of Student Involvement is to provide quality programs, services, and leadership opportunities that enrich students’ academic endeavors and enhance the campus environment. Students and staff collaborate to develop programs and services which encourage student’s personal growth, promote civic responsibility, embrace differences, and connect students to the campus and the community.

To fulfill our mission, OSI’s staff members oversee the registration and management of more than 600 registered student organizations (RSOs), as well as the advisement and coordination of the following student groups: Black and Gold Studios, Campus Activities Board (CAB), Graduate Outreach (GO) Homecoming, Knight-Thon, Knights of the RoundTable (KoRT), Late Knights, Regional Out-reach Services (ROS), Student Government Association (SGA), Volunteer UCF (UCF), and Knights of the Turntables. OSI’s DJ service. OSI wishes to support all members of our UCF community and encourages anyone in need of an accommodation to participate in our programs or services to email us at osi@ucf.edu. OSI is funded by SGA.

Office of Student Rights and Responsibilities (OSRR)
Executive Director, Assistant Dean of Students, Deputy Title IX Coordinator: Dana Juntunen
Ferrell Commons, Building 7G, Suite 227; 407-823-4638

The Office of Student Rights and Responsibilities promotes a campus climate of integrity, civility, accountability and student well-being by providing a wide array of resources, education, and support services for the university community. OSRR is comprised of: Student Conduct, Integrity and Ethical Development and Student Care Services. OSRR also oversees the Golden Rule Student Handbook, The UCF Creed and Title IX reports perpetrated by a student on a student.

Office of Integrity and Ethical Development (IED)
Director: Jennifer Wright
Ferrell Commons, Building 7F, Suite 138; 407-823-3477
http://ied.sdes.ucf.edu

The Office of Integrity and Ethical Development specializes in the promotion of individual responsibility and personal development.

Emphasis is on the promotion of academic integrity and prevention of academic misconduct. Programs are designed to bring awareness to topics such as integrity, personal accountability, ethical decision making, and professionalism. Services include coaching sessions, excellence in decision making seminar, academic integrity workshops, and support services. Workshops are offered every semester designed to provide students (undergraduate/graduate) and student organizations with the college life skills necessary for academic and personal success at UCF.

Office of Student Conduct (OSC)
Director: Michael Gilmer
Ferrell Commons, Building 7G, Suite 227; 407-823-4638
http://osc.sdes.ucf.edu

The Office of Student Conduct handles complaints against UCF students and student groups (but not faculty or staff). The complaint must indicate a possible violation of one or more of the Rules of Conduct or Conduct Regulations of Student Organizations located in the Golden Rule Student Handbook. Copies of the Golden Rule Student Handbook may be obtained at viewed on the internet at: http://goldenrule.sdes.ucf.edu.

Student Care Services (SCS)
Associate Director: Ann Marie Palmer
Ferrell Commons, Building 7F, Suite 138; 407-823-5607
http://scs.sdes.ucf.edu; http://cares.sdes.ucf.edu

Student Care Services offers guidance, resources, and referrals to UCF students who are experiencing a distressing situation which significantly impacts academic or personal success. The SCS team coordinates referrals to campus and community resources, develops action plans for student success, oversees the Student of Concern process, and provides education and outreach to university and community members. Our goal is to intervene before a student reaches crisis level and ensure the safety of both the student and the UCF community. SCS also oversees UCF Cares, an umbrella of care-related programs, resources and staff dedicated to fostering a caring community of Knights.

Office of Student Success (OSS)
Director: TBA
Barbara Ying-CMMS 101; 407-823-6239
Email: studentsuccess@ucf.edu
http://oss.sdes.ucf.edu

The Office of Student Success provides data and project management in support of strategic initiatives, within the division of Student Development and Enrollment Services, that impact retention, completion and student success. The Office is committed to university-wide partnerships to support the use of predictive analytics as a resource for data-driven decisions.
Recreation and Wellness Center (RWC)
Executive Director: James Wilkening
RWC; 407-823-2408
http://rec.ucf.edu

The Recreation and Wellness Center is known on campus as UCF’s “Greatest Place to Play.” The mission of the RWC is to foster healthy lifestyle choices and wellness through efficient services, comprehensive programs and high-quality facilities. The RWC 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. The RWC aspires to create an environment in which we celebrate the differences we share across the spectrum of human diversity. The RWC strives to set and stay ahead of the national standards for university recreational programs and facilities by offering unique and innovative student development and leadership opportunities, while seeking to be inclusive and adaptable to the needs of all UCF students.

The RWC is comprised of six different programs: Athletic Training, Aquatics, Fitness (which includes Adaptive and Inclusive Recreation and Student Assisted Workout for students with disabilities), Intramural Sports, Outdoor Adventure and Sport Clubs. The RWC also includes outdoor facilities: tennis courts, sand volleyball courts, a lap and leisure pool, the RWC Park (turf and grass fields and a soft-ball/baseball field), the Challenge Course, a disc course and the William E. and Mary Jo Davis Recreation Area at Lake Claire. The indoor facilities include the main building and RWC @ Knights Plaza. The RWC facilities and programs offers are open to students of any ability with a valid UCF ID. Memberships are available to non-students. The RWC is funded by the Student Government Association.

Wellness and Health Promotion Services (WHPS)
Director: Maureen Hawkins
Recreation and Wellness Center Building, Suite 111; 407-823-5841
http://whps.sdes.ucf.edu

Wellness and Health Promotion Services aims to assist every UCF student in being a “Healthy Knight” and coordinates the campus Healthy Knights 2020 initiative. WHPS recognizes the role of lifestyle in health, wellness and academic success, by offering a wide range of health promotion and risk reduction services on topics including: sexual wellness, nutrition, stress management, sleep hygiene, body acceptance, smoking cessation, and healthy relationships. A variety of services are provided by health professionals including screening and education, along with HIV testing and counseling, wellness coaching and biofeedback assisted relaxation training. Trained Peer Health Advocates help promote healthy behaviors both by staffing Health Huts around campus and by facilitating interactive workshops.

Registrar’s Office (RO)
University Registrar and Executive Director: Brian C. Boyd
MH 161; 407-823-3100, HelpLine: 407-823-3533
Email: registrar@ucf.edu
http://registrar.sdes.ucf.edu

The Registrar’s Office, with a commitment to quality service and leading edge technology, provides timely and accurate enrollment information and access for students, colleges and departments, effectively meets student administrative needs, ensures complete records management from registration through graduation and archived data stores. The office maintains the integrity of student permanent academic records and implements procedures in accordance to university policies through campus-wide communication, collaboration, and leadership. In addition, the Registrar’s Office is responsible for management of efficient utilization of classroom resources, readmission, transient student admission, residency reclassifications, student veteran services, NCAA Division I initial and continuing eligibility, the Knights Graduation Grant Initiative, Commencement, and publication of course offerings, Commencement programs, the Undergraduate Advising Guide, and the online Undergraduate Catalog.

SDES TRiO Center
Director: Rebekah McCloud
HPH 208/214; 407-823-4165
http://trio.sdes.ucf.edu

PRIME STEM
PRIME STEM/Student Support Services is a federally-funded TRiO program (U.S. Department of Education). The program supports college students pursuing STEM (Science, Technology, Engineering and Mathematics) and Health Sciences majors who are first-generation, low income, and/or have a documented disability. The project offers academic support services and resources to assist PRIME STEM scholars to successfully complete a STEM or Health Sciences degree.

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Director: Rebekah McCloud
HPH 208/214; 407-823-4165
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As an advocate for access to higher education, PRIME STEM/Student Support Services is committed to providing the support necessary to empower participants in developing and achieving academic goals.
Division of Student Development And Enrollment Services

Project BEST
Project BEST (Building Exemplary Scholars for Tomorrow)/Student Support Services is a federally-funded TRIO program (U.S. Department of Education). The program supports 144 college students who are first-generation, low income, and/or have a documented disability. The project offers support services and resources to assist scholars in transitioning from one level of higher education to the next and to success-fully completion of an undergraduate degree in any major. As an advocate for access to higher education, Student Support Services is committed to providing the support necessary to empower participants in developing and achieving academic goals.

Project PACE
Project PACE (Pursuing Academic & Career Excellence)/Talent Search is a federally-funded TRIO program (U.S. Department of Education). The program supports and empowers first generation individuals from disadvantaged backgrounds. Talent Search provides learning resources, promotes educational persistence in secondary education and fosters a culture of success and personal motivation that helps students to successfully graduate from high school and pursue higher education. The program supports Orange County Public Schools students who attend Wekiva High School, Piedmont Lakes Middle School and Lockhart Middle Schools. The program also provides services to adult learners (19-27) who have yet earned a secondary school diploma or a GED.

Social Justice and Advocacy (SJA)
Director: Edwanna Andrews
SU 207; 407-823-0401
Email: sja@ucf.edu
http://www.sja.sdes.ucf.edu

Social Justice and Advocacy is responsible for providing oversight to the Multicultural Student Center and LGBTQ+ Services. The mission of SJA is to promote an equitable campus environment where all are assured that diversity, in its many forms, is valued. We will support efforts to increase equal access to campus resources and opportunities, while cultivating inclusiveness to the least advantaged members of the campus community. SJA will advocate to decrease obstacles that prevent students from succeeding at UCF. SJA, MSC and LGBTQ+ Services. The mission of SJA is to provide leadership and resources to build an inclusive environment where all who seek higher education are supported in their academic journey. SJA will advocate to decrease obstacles that prevent students from succeeding at UCF. SJA, MSC and LGBTQ+ Services. The mission of SJA is to provide leadership and resources to build an inclusive environment where all who seek higher education are supported in their academic journey. SJA will advocate to decrease obstacles that prevent students from succeeding at UCF.

Student Academic Resource Center (SARC)
Director: Rebecca Piety
HPH 119; 407-823-1130
Email: sarc@ucf.edu
http://sarc.sdes.ucf.edu

The Student Academic Resource Center provides high-quality programs and services that enable UCF students to achieve their academic goals. Programs include: Supplemental Instruction (SI), peer tutoring, learning skills consultations, academic coaching, and academic success workshops. The SI program focuses on providing assistance to students enrolled in historically difficult courses such as human anatomy, biology, chemistry, microbiology, engineering, computer science, and physics. By attending these peer-led study sessions, students have 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, engineering, statistics, and biology, to name a few. In total, SARC provides group tutoring for more than 30 different courses. Learning skills specialists are also available for students who need college-level study skills advice or those who wish to enhance their educational experience. The Academic Coaching & Engagement (ACE) Program provides free one-on-one, ongoing peer coaching to help undergraduate students develop important academic and life skills. Each semester, SARC offers a series of academic success workshops designed to address common student issues. Among these are test-taking strategies, time management, goal setting, and classroom etiquette. SARC also offers study skills assessments and online resources to help students become successful at the college level.

University Testing Center (UTC)
HPH 106; 407-823-5109
Email: utc@ucf.edu
http://utc.sdes.ucf.edu

The University Testing Center provides academic and professional testing services for UCF students and the community. UTC is an institutional, standardized, and national standardized test center. Institutional and state tests include Accuplacer; Distance Learning/Correspondence Exams; ETS Field Test in Biology, Florida Teacher Certification Examinations (FTCE); Foreign Language Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); UCF Math Placement Test; and Project BEST (Building Exemplary Scholars for Tomorrow). UTC administers the following national standardized examinations:
- ACT Residual Test.
- College Level Examination Program (CLEP).
- Graduate Record Examinations (GRE) – Subject Areas.
- Law School Admissions Test (LSAT).
- Test of English as a Foreign Language (TOEFL IBT and ITP).

Student Accessibility Services (SAS)
Executive Director: Adam Meyer
FC 185; 407-823-2371
Email: sas@ucf.edu
http://sas.sdes.ucf.edu

The Office of Student Accessibility Services facilitates campus access and reasonable accommodations for students with disabilities. Such access may include, but are not limited to, classroom accommodations (including examination accommodations), alternative format text materials, captioning/interpreters, and information and referral to campus and community services. Reasonable accommodations are available to, but not limited to, students with ADHD, hearing and visual impairments, physical disability and/or health-related impairment, psychological and/or psychiatric disability, specific learning disability (such as dyslexia), speech impairment, or other disabilities. After admission to the university, students who want to explore reasonable academic accommodations should connect with SAS. Students can meet with a consultant in-person, by phone or via Skype. Students should not worry about having the “right” documentation at the time of the meeting. Any documentation needs can be discussed during the initial conversation. The most up-to-date initial contact procedures can be found at http://www.sas.ucf.edu. Students are encouraged to come to SAS and explore the possibilities and options without feeling a need to commit to utilizing any resources. The student determines how to proceed based on the information presented and personal preferences. All information is confidential and will be used only to coordinate accommodations with appropriate UCF personnel.

Inclusive Education Services (IES)
Location FC 155; 407-823-2371
Email: ies@ucf.edu
http://ies.sdes.ucf.edu

The Office of Inclusive Education Services provides an innovative and distinctive post-secondary educational experience to individuals with intellectual disabilities. The office facilitates meaningful immersive UCF community experiences for college students with intellectual disabilities via diverse academic, professional, personal, and social opportunities with the goal of enhancing employability, independence, and life satisfaction. Students admitted to UCF through this initiative will enroll as non-matriculated students. Please contact IES directly for more information.

Student Financial Assistance (SFA)
Director: Alicia Keaton
MH 107; 407-823-2827
http://finaid.ucf.edu

The Office of Student Financial Assistance is dedicated to supporting UCF’s mission and goals through the efficient delivery of student aid. The office provides UCF students with a comprehensive offering of financial assistance options to support student success and the attain-
ment of a university degree. Financial aid counseling is available on a walk-in basis. To protect the privacy of student records, SFA offers limited counseling services through phone and email.

**Student Government Association (SGA)**

**Advisor:** Shane Juntunen  
**SU 214; 407-823-2191**  
**http://www.ucfsga.com**

The Student Government Association’s purpose is to represent students views on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, SGA also provides numerous services that affect student life. These services include free printing in the SGA Computer labs, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center and Sport Clubs Council, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, Knight-Thon, Knights of the RoundTable, and much more. Money allocated by SGA for these services comes from Activity and Service Fees that students pay during registration. Additionally, registered student organizations may receive funding for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students’ rights at the local, state, and national levels. SGA’s structure is modeled closely after the United States federal government system in that it contains three branches: Executive, Legislative, and Judicial. The Executive branch, comprised of the Student President, vice president, and cabinet, and oversees the administrative operation of SGA. The Legislative branch funds registered student organizations and also passes bills and resolutions benefiting the student body. The Judicial branch oversees and takes part in hearings concerning constitutional, legislative, and student rights issues. All students are encouraged to take an active role in SGA. For information about how to become involved with SGA or how your student organization can receive funding, contact the SGA office.

**Student Health Services (SHS)**

**Executive Director:** Michael Deichen, M.D., M.P.H.  
**Student Health Services Building, Suite 309; 407-823-2701**  
**http://www.studenthealth.ucf.edu**

Student Health Services is accredited by the Accreditation Association for Ambulatory Health Care. The mission of SHS is to provide excellent healthcare that delivers value and promotes lifelong well-being to the UCF community.

SHS provides care at four convenient locations: the main campus Health Center; Knights Plaza at the north end of campus; the College of Medicine; Rosen College of Hospitality Management. SHS is staffed by board-certified physicians, dentists, pharmacists, advanced registered nurse practitioners, physician assistants, registered nurses, licensed practical nurses, certified medical assistants and a full complement of other medical support personnel who provide laboratory and radiology services.

SHS insurance office staff will assist students with filing insurance claims. SHS physicians are contracted in-network providers with BlueCross BlueShield PPO and Blue Options, United Healthcare, Aetna, AvMed, and Cigna health insurance plans. This entity's patients to use SHS providers for their primary care needs and realize cost savings through covered services. SHS will bill any insurance company as a courtesy to patients as they may be eligible for out-of-network benefits.

SHS endorses several optional health and accident insurance plans for students. Visit our website for additional information regarding these plans. The optional plans are separate from the health fee students are required to pay each semester. However, when purchased, the insurance may cover most of the charges incurred at SHS and also provides benefits for services that are beyond the scope of the SHS program, such as hospital referral and specialty care (subject to co-pays and deductibles). Charges incurred outside the SHS are the responsibility of the student, including transport by ambulance.

The SHS Dental Center, housed within the main Health Center, provides preventive, restorative and cosmetic dental services by appointment. Prices are discounted for students. The Dental Center accepts dental insurance PPO plans and payment plans are available for various treatment plan options.

SHS also oversees an Alcohol and Other Drugs (AOD) program. The program is licensed by the State of Florida to provide substance abuse prevention education, intervention, and outpatient treatment services. Campus outreach, substance abuse treatment and recovery services are available to UCF students.

Two convenient pharmacy locations on campus are staffed by pharmacists passionate about patient education and providing excellent customer service. Our principal pharmacy is located in the main Health Center, and a satellite pharmacy is located within the smaller clinic at Knights Plaza. The pharmacies accept over 250 prescription insurance plans and offer competitive prices for those students who do not have insurance coverage.

When SHS is closed, students may obtain information and help from the SHS office by phone message at 407-823-2701 or its website that provides access to a 24-hour Nurse Line and FreeMD (the web-based interactive system to help make decisions about health needs). If the situation is urgent, students should call 911 or access one of the hospitals or walk-in clinics identified via [http://www.studenthealth.ucf.edu](http://www.studenthealth.ucf.edu) (charges for services are the student’s responsibility).

**Student Legal Services (SLS)**

**Director and Associate General Counsel:** Patricia Dullaghan  
**FC 142; 407-823-2538**  
**http://sls.sdes.ucf.edu**

Student Legal Services provides students with advice and consultation, including court representation, in selected areas of law such as landlord/tenant disputes, consumer issues, wills, uncontested divorces, family law, and small claims cases, with a focus on the legal rights of students. Services are available without charge to students who are currently enrolled at UCF and paying activity and service fees, including those attending the regional campuses, Rosen College, and the College of Medicine. Students in need of legal services should contact the SLS office to schedule an appointment.

**Student Outreach Services (SOS)**

**Director:** Rhonda C. 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 the Office of Student Outreach Services is to attract, motivate, and prepare underrepresented middle and high school students from the local area to pursue and complete a college education. Students and their families are offered a variety of opportunities and programs designed to assist in the navigation of the college admissions, financial assistance, and career preparedness processes. SOS is committed to partnering with the UCF community and other external agencies and organizations vital to providing quality programming for all of our students.

**Student Union (SU)**

**Director:** Rick Falco  
**SU 312; 407-823-3677**  
**http://www.ucfsu.com**

The Student Union is the Heart of Campus and provides the campus community with a variety of meeting rooms, offices, programs, and services. The Union is home to a great variety of restaurants including Café Bustelo, Chili’s, Smoothie King, Subway, Domino’s, Pita Spot, Qdoba, and Nathan’s Famous. Retail stores include Knightstop Convenience Store + Sushi, and College Optical. Other services located in the Union include the SGA Ticket Office, SGA Computer Lab, ATMs from SunTrust, Bank of America, Chase Bank, and CFE Federal Credit Union. The Student Union also operates the Knights Helping Knights Food Pantry, All Knight Study Lounge located at the UCF Arena. All Knight Study at the Arena is generally open 24/7 and Ferrell Commons location is open 24/5 (excluding holidays and semester breaks) as well as a UCF N Cold (bike share and repair) program. The Union is open until midnight on Saturday, 10 p.m. on Sunday, and 1 a.m. on week days (excluding holidays and semester breaks). For information call the Information Desk at 407-823-0001. The Student Union is funded by SGA.

**Transfer and Transition Services (TTS)**

**Director:** Jason Dodge  
**HPH 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 UCF. The office provides the following resources and services:

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**Division of Student Development And Enrollment Services**

**Advisor:** Shane Juntunen  
**SU 214; 407-823-2191**  
**http://www.ucfsga.com**
General advising and referral for transfer students before and after they enroll at UCF. 

A referral to DirectConnect advisors at partnering colleges: Eastern Florida State College, Lake-Sumter State College, Seminole State College, Valencia College; College of Central Florida, and Daytona State College.

Academic exploration and 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.

Connections to the campus community with: Peer Mentors, transfer clubs and organizations including Tau Sigma and Transfer Knights Club, and TTS sponsored events.

Undergraduate Admissions (UA)
Associate Vice President: Gordon Chavis, Jr.
Duke Energy UCF Welcome Center; 407-823-3000
Email: admission@ucf.edu
http://www.admissions.ucf.edu/

The Office of Undergraduate Admissions coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, non-degree, and non-Florida public institution transient students to UCF. The office’s primary mission is to identify, recruit and enroll talented, diverse and academically qualified students who will contribute to and achieve growth and success at UCF.

Office hours are: Mondays and Thursdays, 9 a.m.-6 p.m., Tuesdays, Wednesdays, and Fridays, 9 a.m.-5 p.m.

Veteran Services
Director: Paul Viau
Veterans Academic Resource Center, CFE Arena; 407-823-2707
Email: varc@ucf.edu
http://varc.sdes.ucf.edu/

Located at UCF Knights Plaza/CFE Arena, the Veterans Academic Resource Center is open 9 a.m.-5 p.m. Mondays through Fridays, and provides study, tutor, and lounge areas for student veterans, as well as programs and events designed specifically for student veterans’ needs.

The VARC recognizes and supports student veterans as they transition from military to student life. The VARC, a unit of the Registrar’s Office, is a collaboration among the offices of Career Services, Counseling and Psychological Services, Student Academic Resource Center, Student Accessibility Services, and Transfer and Transition Services, and provides the home for Veteran Services.

Veteran Services
Assistant University Registrar: Bethany Glassbrenner
http://varc.sdes.ucf.edu/benefits

Veteran Services serves all veteran students and eligible dependents who are using VA educational benefits. The office provides information concerning entitlements, filing claims to the Department of Veterans Affairs, certifying enrollment at the university each term to receive VA educational benefits, and deferring tuition and fee payments. Consult Veteran Services early in the UCF admissions process for information (http://varc.sdes.ucf.edu/benefits).

To maintain eligibility for VA education benefits, students must adhere to the policies and procedures for VA educational benefits as noted on the GI Bill website (http://www.benefits.va.gov/gibill/)

UCF, being a member of SOC (Service Members Opportunity College), provides credit for various military training and education. Credit is awarded for regionally accredited schools and courses only. Transfer credit is awarded per the recommendations of the American Council on Education (ACE) Guide, based upon courses and/or training listed on the DD Form 214, SMARTS, ARTS, or other official military record. U.S. Air Force veterans must coordinate with the Community College of the Air Force to provide official CCAF transcripts to the Office of Undergraduate Admissions.

Students eligible for VA educational benefits may also be eligible for a VA deferral of tuition and fees. The VA Deferral due date is contained in the “Academic Calendar” (http://calendar.ucf.edu). Students eligible for financial aid adequate to cover tuition and fees are not eligible for this deferral.

For fall/spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9 to 11 credit hours for three-quarter time benefits, and 6 to 8 credit hours for half-time benefits. Five credit hours or less will be reimbursed at the cost of tuition and fees or quarter-time depending on their VA Chapter. Check Veteran Services website for summer term course load and other FAQs.

Students currently enrolled at UCF and another institution may receive VA educational benefits, after completing the appropriate Transient Form and consulting with Veteran Services. Veterans and eligible dependents who desire to change their major, or pursue a dual major, dual degree, or 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.

Benefits will be terminated for individuals who are disqualified, excluded, suspended, or expelled from the university. If reinstated by the university following disqualification or suspension, the veteran or eligible dependent must contact Veteran Services to have their VA educational benefits re-activated.

Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both the on-campus and off-campus work terms. Contact Veteran Services for more specific benefit information on Cooperative Education.

UCF is designated as a VA “Yellow Ribbon” institution to help defray the out-of-state tuition. Please go to: http://varc.sdes.ucf.edu/docs/ucfyellowribbonprogram_rules.pdf for more information.

The C.W. Bill Young Veteran Tuition Waiver Program is available to any honorably discharged veteran of the U.S. Armed Forces, U.S. Reserve Forces, or the National Guard who is not considered a Florida resident for tuition purposes but who resides in Florida while attending UCF. Please go to http://varc.sdes.ucf.edu/benefits for more information and application requirements.
Transfer and Transition Services

Director: Jason Dodge
HPH 221; 407-823-5959, Fax: 407-823-3955
Email: tservices@mail.ucf.edu
http://transfer.sdes.ucf.edu

Transfer and Transition Services helps students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. or articulated A.S. from a DirectConnect partner school are guaranteed admission (upon meeting admission criteria). Partner institutions include College of Central Florida, Daytona State College, Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College. Florida College System institution and university A.A. graduates are guaranteed certain rights and privileges according to the statewide Articulation Agreement.

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

Where Can I Go For Help?

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

Transfer and Transition Services provides the following services and resources:

- Accurate and current information about university programs and policies, including entrance and exit requirements, as well as information concerning:
  - General academic 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, email, and office appointments
  - Student information and advising HOTLINE 407-823-5959
  - Website for transfer students (http://transfer.sdes.ucf.edu)
  - Transfer Knights social club; Tau Sigma Transfer Honor Society
  - Orientation advising and assistance

How Can a Florida College System Institution Counselor or Advisor Help Me?

It is important that you are kept informed of all requirements for transferring to UCF. Florida College System institution counselors and advisors are provided with information and resources about the requirements for all programs 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 College of Central Florida, Daytona State College, Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia 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;
- All grade forgiveness awarded under the A.A. will be honored.

Priority admission is given to A.A. and articulated A.S. graduates from the Florida public community and state colleges and state universities.

If you do not complete an A.A. at a Florida College System institution or university, you must complete UCF’s general education requirements, which may be considerably different from your previous institution’s requirements. If you have met all the A.A. requirements, you should have “General Education Requirements Verified” printed on your transcript to assure getting credit for meeting General Education and Gordon Rule requirements. Without this statement you must satisfy UCF’s general education requirements and Gordon Rule courses. If your grade point average falls below a 2.0 (without grade forgiveness), you will not be admitted.

What 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 at the post-secondary elementary 2 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 after your admission to UCF. 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 Florida College System institutions or other state universities, please go to the Florida Virtual Campus website at https://www.floridashines.org. 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 deferments, 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 College System institution that has signed an articulation agreement with The Burnett Honors College will be admitted into University Honors with junior standing. Florida College System institution transfers and other students who have completed their general education requirements may participate in the Honors in the Major program through the completion of departmental honors requirements, including an original research project. Transfer students who apply for admission to departmental honors programs must have a minimum GPA of 3.5 in their major. Successful completion of either honors program will be noted on your transcripts and diploma. For more information, call 407-823-2076 or visit the honors website at http://honors.ucf.edu.

Transfer Tips:

Office Visits for Transfer Advising

- Students are encouraged to contact Transfer and Transition Services or their DirectConnect advisor with questions or to schedule an appointment to meet with an advisor. Advisors are available Monday through Friday, 8:00 a.m. to 5:00 p.m.
- Transfer students must declare a major; students undecided about their major should contact Transfer and Transition Services for advisement.
- Undeclared students with 45+ credit hours are placed on advising hold.

Students should:

- Submit your application as soon as you have earned 45 credit hours, at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted “contingent upon completion of the A.A.” if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when courses 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 “Immunization Form.” Registration is not allowed without the completion and approval of this form.
- Complete the “Free Application for Federal Student Aid” (FAFSA) transfer application early and being admitted, you will be invited to an early Orientation.

Students should:

- Submit your application as soon as you have earned 45 credit hours, at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted “contingent upon completion of the A.A.” if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when courses 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 “Immunization Form.” Registration is not allowed without the completion and approval of this form.
- 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.

Transfer Checklist

<table>
<thead>
<tr>
<th>Before Completing the A.A. or Articulated A.S.</th>
<th>Y___ N___</th>
</tr>
</thead>
<tbody>
<tr>
<td>met with a pre-admission advisor (DirectConnect or Transfer &amp; Transition Services)</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>met with counselor or advisor for graduation check</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>completed application for graduation</td>
<td>Y___ N___</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Application for Admission</th>
<th>Y___ N___</th>
</tr>
</thead>
<tbody>
<tr>
<td>checked admission status at <a href="https://my.ucf.edu">https://my.ucf.edu</a></td>
<td>Y___ N___</td>
</tr>
<tr>
<td>date of acceptance</td>
<td>Y___ N___</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transcripts (original transcript from all institutions attended)</th>
<th>Y___ N___</th>
</tr>
</thead>
<tbody>
<tr>
<td>transcripts sent from all current and prior institutions</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>final transcript sent after term completed</td>
<td>Y___ N___</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Financial Aid/Scholarship</th>
<th>Y___ N___</th>
</tr>
</thead>
<tbody>
<tr>
<td>date financial aid application (FAFSA) sent</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>“to do” list checked on myUCF</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>date SCHOLARSHIP application sent</td>
<td>Y___ N___</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Housing</th>
<th>Y___ N___</th>
</tr>
</thead>
<tbody>
<tr>
<td>reviewed OCSS handbook; Survival Guide for Living off Campus</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>date application sent (include deposit when required)</td>
<td>Y___ N___</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Immunization</th>
<th>Y___ N___</th>
</tr>
</thead>
<tbody>
<tr>
<td>date Student Health Form submitted</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>need immunizations</td>
<td>Y___ N___</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Foreign Language Requirements (Admission)</th>
<th>Y___ N___</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 years/units earned in high school</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>2 years/units earned in college</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>credits to be taken at the university</td>
<td>Y___ N___</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Program (Major) Requirements</th>
<th>Y___ N___</th>
</tr>
</thead>
<tbody>
<tr>
<td>selected a major</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>completed major prerequisites</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>submitted limited access application</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>met grade point average (GPA) requirements</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>met cumulative GPA for admission to program of study</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>met cumulative GPA in courses taken for program of study</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>met grade requirements for designated courses</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>met audition/portfolio/additional admission requirements</td>
<td>Y___ N___</td>
</tr>
<tr>
<td>met audition/portfolio/additional admission requirements</td>
<td>Y___ N___</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Orientation:</th>
<th>Y___ N___</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation date at UCF</td>
<td>Y___ N___</td>
</tr>
</tbody>
</table>
Responsibilities

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

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

Freshman (First Time in College - FTIC)

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

New FTIC Students can expect to:
1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP, dual enrollment and CLEP credit;
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.
2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL, COMPASS, LEARN Living Learning Community, STEP, the College Achievement Program (CAP), Pegasus Success Program, SOAR program and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (HPH 116)
   b. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110)

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 after the completion of his or her first year.

The Burnett Honors College

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

Continuing students will:
1. Contact the department of their major and meet with their advisor in the department during the first two months of any semester to review progress and plan a program of study;
2. Meet with their advisor in the department of their major prior to registration;
3. Contact the Office of Honors Advising (BHC 109) and based on the recommendation from their academic advisor and the requirements for University Honors, an Honors Advisor will assist with Honors course selection;
4. Continue to register for classes online;
5. Check their "Fee Invoices/Schedule" to ensure accuracy of class schedule; and,
6. Attend any mandatory Honors advising appointments.

College of Arts and Humanities

Majors within the College of Arts and Humanities should meet with their major/minor advisor concerning major/minor requirements and with an advisor in CAHSA regarding all other inquiries. CAHSA is located
New students will:
1. Meet with a CAHSA advisor in a group setting during Orientation to discuss college policies and procedures.
2. Meet with a major advisor to discuss major requirements, career opportunities, and plan a class schedule.
3. Register for classes at a central location; and,
4. Check their “Fee Invoices” to ensure accuracy of their class schedule.
5. Create and regularly check their Knights Email account.

Continuing students will:
1. Meet with their major and/or minor advisor in the department to review academic progress and plan a program of study for subsequent semesters. Review this plan each term with their major/minor advisor and prior to registration.
2. Access their Degree Audit at least every term and understand all degree requirements;
3. Refer any questions pertaining to university credit hour requirements, degree audits, academic standing 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 email from CAHSA indicating how to file their “Intent to Graduate” forms and in order to conduct a graduation review. Please refer to the academic calendar for the deadline to file your Intent to Graduate.
5. Regularly check their Knights Email account.

Graduating students will:
1. File the online intent to graduate form by the posted deadline for the semester in which they intend to graduate. Please note that the deadline for filing is always the semester prior to the semester in which they intend to graduate.
2. Complete a webcourse after filing the online intent to graduate and prior to the deadline for filing the intent.
3. Maintain current contact information and regularly check their Knights email account, degree audit, and webcourse content.

College of Business Administration
The College of Business Administration (CBA) strives to provide its students with the highest quality academic advising and career counseling. The Office of Professional Development (OPD) partners with departmental faculty advisors to assist prospective and current business majors develop an educational plan that meets their career goals.

New students will:
1. Be classified as ‘pre-major’ until admission to the major requirements are met and a change of major request has been approved. ‘Pre-major’ students have enrollment access to CBA non-restricted classes and do not have enrollment access to CBA restricted classes;
2. Meet college-advising representatives in a group setting during Orientation to discuss admission to the major requirements, college policy, procedures, expectations, and degree programs;
3. Review degree requirements at Orientation using the Degree Audit and CBA literature to better understand degree requirements and a Degree Audit;
4. Submit all request to evaluate transfer courses for equivalency to UCF courses during their first term of enrollment at UCF. General Education coursework is evaluated for equivalency by Academic Services, while the Business Common Program Prerequisites and all business coursework is evaluated for equivalency by the College;
5. Meet with a Career Coach in the OPD (BA2, Room 101), to understand the career options of their major; and,
6. Be advised in the OPD if the major is “Pre Business” and the student is classified as at least Sophomore standing.

Continuing students will:
1. Meet with a member of the OPD Advising Team to review academic progress and develop or update an academic plan. Degree requirements and course prerequisites should be reviewed prior to registration each term;
2. Meet with their Career Coach as directed by activities in the college’s Career Professionalism curriculum;
3. Register for courses in myUCF at their scheduled appointment time. All changes to the student’s class schedule must be completed by the end of the drop/swap and add periods;
4. Be classified as ‘pre-major’ until admission to the major requirements are met and a change of major request has been approved. ‘Pre-major’ students have enrollment access to CBA non-restricted classes and do not have enrollment access to CBA restricted classes;
5. Meet with a faculty advisor and/or member of the OPD Advising Team during the term prior to the anticipated graduation term as needed; and,
6. File the “Intent to Graduate Form” by the end of the term prior to the term in which graduation is intended.

Students placed on ‘Lack of Progress’ due to Major and/or College of Business Administration GPA concerns will:
1. Have a “hold” placed on their subsequent registration; and,
2. Meet with their assigned Career Coach to review the student’s academic situation and develop a plan of action.

College of Education and Human Performance
New students will:
1. Be classified as education pending until admission requirements are met and a change of major request has been submitted.
2. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education and Human Performance 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
3. Be advised by the College of Education and Human Performance’s Undergraduate Advising Office (ED 110) if their major is Elementary Education or Education Pending. Academic advising sessions may be scheduled by calling 407-823-3723;
4. Be assigned an academic advisor in the area of their major upon completion of College of Education and Human Performance admission requirements. The advisor’s name and email address appear in myUCF to assist students in making an advising appointment; and
5. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education and Human Performance based on program requirements.

Continuing students will:
1. Set up an appointment with their academic advisor upon acceptance to their major, or the Undergraduate Advising Office, 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 their 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.

College of Engineering and Computer Science
New students will:
1. Meet with the Engineering and Computer Science Academic Affairs representative in a group setting during Orientation to:
   a. Review the College of Engineering and Computer Science (CECS) academic policies and procedures
   b. Plan an appropriate first term schedule;
2. Meet with a faculty advisor in the department of their major to:
   a. Understand the career options of the major
   b. Discuss degree program requirements; and,
3. Be advised in the CECS Academic Affairs Office (ENG1 107) if Undecided Engineering 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 348;
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 appointment 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. Participate in the college designated intervention plan if you have been placed on an engineering or computer science advisement hold. An intervention through the CECS Academic Affairs Office will be required each semester a student is on advisement hold; and,
7. File the "Intent to Graduate" through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office, by the last day of classes of the term prior to the term in which the student intends to graduate.

College of Health and Public Affairs

New students will:
Meet college advising representatives in a group setting during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study; and
3. Plan an appropriate first semester class schedule.

Continuing students will:
1. Meet with COHPA Undergraduate Student Services advisors (HPA2, 115) throughout each semester to check selection of program courses and progress toward graduation;
2. Review a Degree Audit through myUCF frequently to check progress toward course requirements; and
3. File the "Intent to Graduate Form" through myUCF and meet with an advisor in the COHPA Undergraduate Student Services office 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 Burnett School of Biomedical Sciences (BSBS) 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;
3. Be directed to an appropriate academic/faculty advisor for help with information and guidance for medical/health professional or graduate programs admission requirements; and
4. 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 your OSSA and faculty and consult with the Office of Pre-Health and Pre-Law Advisement.

Pre-Health Professional Planning
Pre-professional advisement deals primarily with understanding the requirements for successful application and admission to health 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 in our program. 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 for pre-health students; however, the biomedical science major meets all admission requirements for health professional schools including medicine, dentistry, veterinary, pharmacy, physician assistant, etc. Our BS programs provide our students with a solid background to excel in health professional school programs. All students seeking admission to health professional schools should enroll in SLS 2311, Overview of Selected Medical Careers, in their first year at UCF and seek additional guidance from Office of Pre-Health and Pre-Law Advisement.

Additionally, prudent use of elective hours in the curricula will permit other appropriate pre-health professions courses to be obtained to help prepare for specific admission exams.

All pre-health professions students are strongly encouraged to participate in the activities of one or more of the student health related organizations and become involved in community service and career shadowing.

Curricula Guidelines
All pre-health professions students are strongly encouraged to enroll in SLS 2311 (Overview of Select Medical Careers) the first 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 GP) to meet the variable requirements of the Florida medical schools:

- General Biology
- General Chemistry
- Organic Chemistry
- Biochemistry
- Microbiology
- Calculus
- Physics
- Statistics
- Immunology
- Neurobiology
- Psychology/Sociology

*Biological Sciences and Biotechnology majors substitute BSC 3403C (Quantitative Biological Methods) for BSC 2011C.

Dates of Importance
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.
College of Nursing

New students will:
Meet college advising representatives in group settings during UCF Orientation to:
1. Discuss degree program prerequisite requirements;
2. Understand Nursing admission requirements;
3. Understand career options of the major program of study; and,
4. Plan an appropriate first term class schedule.

Continuing students will:
1. If accepted into a nursing program, attend a College of Nursing orientation and 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, Undergraduate Student Services, during the first few weeks of each semester to check progress toward eligibility for application to the major.
3. View a myKnight Audit through myUCF each semester; 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 Optics and Photonics

New students will:
1. Meet with the Photonic Science and Engineering Academic Affairs representative in a group setting during Orientation to:
   a. Review the College of Engineering and Computer Science (CECS) and College of Optics and Photonics (COP) 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

Continuing students will:
1. Meet with an advisor in the COP Academic Affairs Office, CREOL 108B;
2. Set up an appointment with an advisor to review your academic progress prior to enrollment in OSE 3200 Geometric Optics and to develop an academic plan. Review this plan each term with the advisor prior to registration;
3. Submit a change of major in myUCF when pending requirements have been completed;
4. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
5. View a Degree Audit, the registration appointment time, and search for classes (once the class schedule is available) through myUCF at https://my.ucf.edu;
6. Register at the scheduled appointment time in myUCF. Complete all schedule changes by the end of the published Add period;
7. Meet immediately with the advisor if you have been placed on an advisement hold. An intervention through the COP Academic Affairs Office will be required each semester a student is on advisement hold; and,
8. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the COP 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 Sciences

Advising Hours: Monday through Thursday 9-5; Friday 9-12
CSB 250; (407) 823-6131
Email: cosas@ucf.edu
http://sciences.ucf.edu/cosas/

Although students may have multiple advisors, College of Sciences majors must meet with an academic advisor within their major department and/or an advisor in the College of Sciences - Advising Services (COSAS) as soon as possible.

New students will:
1. Meet in a group setting during Orientation with representatives from the College of Sciences to discuss college policies and procedures;
2. Meet with representatives of the department of the major to discuss major requirements and plan what courses to take;
3. Refer to COSAS any questions pertaining to General Education requirements, AP and CLEP credit, Gordon Rule, university credit hour requirements, university policies and procedures, prerequisite enforcement process, etc.;
4. 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 or professional 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 myKnight Audit online at https://my.ucf.edu;
4. Resolve any HOLDS placed on their account preventing them from registering;
5. Check to be sure you are meeting all prerequisites/corequisites of courses you plan to take. COS enforces prerequisites/corequisites of COS courses through the registration system and notifies students not meeting prerequisites at the end of each term. If necessary, COSAS administratively drops students not meeting prerequisites for COS courses and may require proof of prerequisite completion to remain enrolled if prerequisite was taken somewhere other than UCF;
6. 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. All registration must be completed by the published deadlines (see Academic Calendar in the current UCF Catalog);
7. Refer to COSAS any questions pertaining to the myKnight Audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the myKnight Audit should be directed to the department; and,
8. Check their "Fee Invoices" to ensure accuracy of their class schedules.

Students placed on probation due to low UCF GPA will:
1. Have a “HOLD” placed on their subsequent registration;
2. Be required to attend a COSAS workshop. A COSAS Student Success Workshop schedule is available each term. More information is found at http://sciences.ucf.edu/cosas/current-students/academic-probation/.
   Regional Campus students, distance learners, and online students should contact COSAS for alternatives to attending a workshop;
3. Design a plan of study with an advisor within the department of their major for the upcoming semester; and,
4. Bring the plan of study to a COSAS advisor prior to the withdrawal deadline of the current semester and prior to registration for the subsequent semester.

Graduating students will do the following during the term PRIOR to the graduating term:
1. Review COS graduation instructions available at http://sciences.ucf.edu/cosas/ (click on graduation button);
2. Complete the on-line graduation application on myUCF within the dates specified at http://calendar.ucf.edu;
3. Complete COS graduation form at http://sciences.ucf.edu/cosas/ (click on graduation button); and,
4. Check your Knights Email account for further instruction. Graduating students may be required to see a COSAS advisor to review status.

College 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 or Environmental Studies.

New students will:
1. Meet with a member of the Interdisciplinary Studies Advising Team during Orientation to discuss policies and procedures, degree program requirements and tracks, and to plan an appropriate first semester class schedule;
2. Schedule a meeting with a member of the Interdisciplinary Studies Advising Team to officially declare a major and create an individual plan of study; for IDS tracks this also includes declaring a minor;
3. For IDS-General Studies and Transnational Gender, Race, and Sexuality Studies Track: Meet with an advisor in the department of their minor to review the program’s requirements;
4. Refer any questions pertaining to general education requirements, AP and CLEP credit, Gordon Rule, and other policies and procedures, as appropriate, to Academic Services;
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, select courses, and address any questions pertaining to the program;
2. Review the class schedule, myKnight Audit, and register online during their scheduled appointment time at https://my.ucf.edu;
3. For IDS-General Studies and Transnational Gender, Race, and Sexuality Studies Track: Meet with an advisor in the department of their minor to review progress. Prior to graduation, confirm that the minor requirements have been met;
4. File an Intent to Graduate online through myUCF by the appropriate deadline that is the end of the term prior to the term in which graduation will occur;
5. Check their Fee Invoices to ensure accuracy of their class schedule.

**Rosen College of Hospitality Management**

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

**Continuing students should:**
1. See a Faculty Advisor for assistance with selecting a concentration of study;
2. View degree requirements according to catalog year and course prerequisites prior to schedule planning;
3. See a Program Advisor prior to registration to review degree requirements and to make sure you are on track for graduation;
4. View a Degree Audit through myUCF and contact a program advisor in the Office of Student Services regarding questions or concerns; and,
5. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which you plan to graduate.

**Regional Campus System**

http://regionalcampuses.ucf.edu

UCF Regional Campuses provides a wide variety of instruction modes and schedules, including web class availability. Admissions, Registration, Financial Assistance, and Advising and Student Services professionals are located at the following campuses: UCF Cocoa and Palm Bay, UCF Daytona Beach, UCF Sanford/Lake Mary, UCF South Lake and Leesburg, UCF Valencia West and Osceola, and UCF Ocala. These services are also extended to UCF Altamonte as needed for the College of Nursing program.

UCF Regional Campuses also administers all aspects of the Central Florida Higher Education Consortium, known as DirectConnect to UCF. It is comprised of UCF and its partner institutions, College of Central Florida, Daytona State College, Eastern Florida State College, Lake-Sumter State College, and Valencia College, through an agreement to strategically partner on creating seamless pathways for college access and success. Through collaboration, these institutions develop guaranteed pathways and systems to enhance college preparation, curriculum alignment, data sharing, academic and student services, enrollment services, resource development and regional economic and workforce needs in Central Florida.

UCF bound students at our partner institutions are encouraged to meet with a DirectConnect Coordinator or Success Coach to assist with their academic plan and pathway. Once admitted to UCF, students must have a pre-advising session prior to the required Orientation. Current students 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, check the website at http://regionalcampuses.ucf.edu. Orlando Campus students taking courses on a Regional Campus may receive supplemental advising, in partnership with the College of the major on the Orlando Campus, and other support services on the Regional Campus.
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 the first term for the Fall semester. Summer and Fall Registrations begin following the mid-term 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 an in registration period are included in the “Academic Calendar” online at http://calendar.ucf.edu.

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 credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than: (a) One hour of classroom or direct faculty instruction and a minimum of three hours of out of class student work each week for approximately fifteen weeks for one semester or the equivalent amount of work over a period of time of less than half the length of an academic term; or (b) At least an equivalent amount of work as required in paragraph (a) of this definition for academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Undergraduate Enrollment Status

<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 Time</td>
<td>9-11</td>
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<tr>
<td>Half Time</td>
<td>6-8</td>
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<tr>
<td>Less Than Half Time</td>
<td>less than 6</td>
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</tbody>
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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
Effective Fall 2009, pursuant to Florida Statute 1009.286, students entering a Florida College System institution or state university for the first time in Fall, 2009, and thereafter, may be subject to the excess hours surcharge for hours exceeding baccalaureate degree program completion requirements. Students should regularly review their degree audits and consult with an academic advisor to make sure they are on track to complete the program. More detailed explanation of the excess hours rule can be found on the University Registrar’s Office website at http://Registrar.ucf.edu/excess-hours.

Students beginning Fall Semester 2009 through Summer 2011 will be charged 1.5 times the tuition rate for each credit hour beyond 120% of the required hours of that degree program. Students beginning Fall 2011 through Summer 2012 will be charged two times the tuition rate for each credit beyond 115% of the required hours of that degree program. Students beginning Fall 2012 and beyond will be charged two times the tuition rate for each credit beyond 110% of the required hours of the degree program.

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

Drop/Swap and Add Policy
Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the Academic Calendar). Drop/Swap or Add may be done using the myUCF system (https://my.ucf.edu) or in the college advising offices.

After the Drop-Swap period, no course may be dropped without being fee liable. Courses meeting for the first time after the end of the Drop/Swap or Add period may be dropped the next business day in the Registrar’s Office, Millican Hall 161. If a student drops courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or will be fee liable and receive a grade.

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

A student is not automatically dropped or withdrawn from a class for not attending, nor can an instructor drop or withdraw a student from a class.

Audit Registration
Audit students are those who desire to attend class(es) without receiving academic credit. Regular tuition and fees are assessed for Audit registration. See the “Fee Schedule” in the “Financial Information” section of the Undergraduate Catalog. Audit registration is on a space-available basis at the prescribed time of Registration or at any time during Late Registration and Drop/Swap and Add when Late Registration fees will apply. Audit requests for students who register prior to this time will be denied. Students may not change to Audit status after Late Registration and Add, but must remain in the course or withdraw through normal withdrawal procedures. New students must be accepted for admission to be eligible to audit a course. Audit forms, available on the Registrar’s website (http://www.registrar.ucf.edu) and in the Registrar’s and college advising offices, must be signed by the instructor and presented to the Registrar’s Office at the time of registration.

UCF Math Placement Test
The University believes that appropriate placement of students into certain course sequences is important to help foster an environment of success. The University administers the UCF Math Placement Test to determine placement into the mathematics course sequence. Students who do not meet prerequisites for mathematics courses are required to take the UCF Math Placement Test and are strongly recommended to complete the UCF Math Placement Test prior to attending Orientation. If the UCF Math Placement Test is not completed prior to Orientation, delays in registration for mathematics courses may result. The UCF Math Placement Test is for placement purposes only and does not award credit. More information about the UCF Math Placement Test is available at http://utc.sdes.ucf.edu/math/.

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 is awarded). Forms to complete include the “Residency Affidavit,” the “Student Health History,” the “Senior Citizen Audit Application” and “Senior Citizen Audit Registration Form” These forms are available in the Registrar’s Office (MH 161) or at the Registrar’s website: 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://calendar.ucf.edu. Direct student expenses after the completion of registration include the campus ID card, vehicle registration and parking permits (if applicable).

State of Florida Employee and UCF Employee Registration
State of Florida employee and UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available only basis on the last day of Registration each term at the time specified on the “Academic Calendar” online at http://calendar.ucf.edu. For waiver eligibility and application information, please refer to the Student Account Services website at http://www.studentaccounts.ucf.edu/.

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

Programs using the Limited Non-Degree Seeking status include:

- High school Dual Enrollment
- Soldiers-to-Scholars
- Continuing Education
- Off-campus credit
- Regional Campuses
- Teacher Certification
- or re-certification
Students registering for classes in the Limited Non-Degree Seeking status are subject to the following regulations:

1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification.
2. Students who have been previously denied admission or disqualified for enrollment are not eligible.
3. Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students.
4. Registration is permitted on a space-available basis.
5. A minimum of 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 the threat to change status or to participate in intercollegiate sports.
7. Limited non-degree students are not eligible to receive financial aid or to participate in intercollegiate sports.
8. Students must complete a Limited Non-Degree Seeking Status Registration Form.

Applicants for limited non-degree-seeking status are subject to applicable provisions of the University’s undergraduate admissions regulations. 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.

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

State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis only. Registration is on a space-available basis during the last hours of registration as noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar. STEP students must present a “Certification” letter to Student Account Services (MH 109) to receive waiver of eligible fees. Registration before the time specified in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar will result in the student being assessed regular fees. The tuition fee waiver cannot be used for courses that require increased costs, including, but not limited to courses offered through the Center for Continuing Education, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, co-ops, practicums, or applied, individualized instruction in music, art, or dance. Eligible members of the active Florida National Guard may receive a 50% waiver of tuition and material supply fees.

State University System (SUS) Florida Transient Students

An SUS Transient Student is a student in good standing who is seeking a degree from one of the other Florida public universities (SUS) and desires to take courses with UCF. Students must complete the “SUS Transient Application Form”, which is available online at http://www.flvc.org. No application fee is required. The “SUS Transient Application Form” must be completed prior to the term and should be completed online or delivered/mail to the Registrar’s Office (MH 161), by the application deadline noted in the “Academic Calendar” online at http://calendar.ucf.edu. Students should visit the Registrar’s Office website at http://www.registrar.ucf.edu to 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, to earn credit for transfer back into a UCF degree program, as a transient student are encouraged to complete the “Transient Student Form” online, which is available on the Florida Virtual Campus website at http://www.flvc.org under “College Students” at “Transferring.” Students transferring to a Florida private institution or an institution outside the State of Florida may obtain a printed form from the UCF Registrar’s Office. The priority permission of the department, school, and college advising office is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

UCF Students Attending a Non-SUS Institution

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

The Withdrawal period for each term begins after the Drop/Swap deadline. Students remain fee liable for any classes from which they withdraw. Students may withdraw from classes by 5:00 p.m. on the 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 withdrawal request to the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped or postmarked before the published withdrawal deadline and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students seeking to withdraw in person must sign the withdrawal form and must provide photo identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class. Students who withdraw from courses for an entire term with the intent of not returning to UCF must also drop courses for any future terms. A student failing to withdraw will be fee and grade liable.

A student is not automatically dropped or withdrawn from a class for not attending, nor can an instructor drop or withdraw a student for non-participation.

Late Drop: Following the close of the Drop/Swap period each term as published in the academic calendar. Students withdrawing from courses during this period will incur both grade and fee liability. No drop is permitted after the drop/swap deadline except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for drop after the deadline. Students seeking to petition for a late drop should contact the Office of Academic Services. Exceptional circumstances include, but are not limited to, death of an immediate family member, involuntary call to military service, or administrative errors created by the University. Late drops are normally for all courses taken in the term. Late drops include a refund of tuition and fees, and the courses will not appear on the student’s academic records. Students must submit the completed petition and supporting documentation for a late drop to Academic Services (MH 210) within six months of the end of the term for which the late drop is sought.

Late Withdrawal: No withdrawal is permitted after the withdrawal deadline as published in the academic calendar except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to withdraw for a late withdrawal should contact the Office of Academic Services. If a late withdrawal is approved, grades of Withdrawn Passing (WP) or Withdrawn Failing (WF) will be recorded as assigned by the instructor(s) of the course(s). A grade of "W" will affect the calculation of the student’s Grade Point Average. Late withdrawals are normal for all courses taken in the term. If approved, a late withdrawal does not refund tuition, and the student is still fee liable for the late withdrawn courses. Students must submit the completed petition...
Academic Regulations and Procedures

Students whose academic record change petition has been previously presented. Simply disagreeing with the decision is not grounds for an appeal.

Standards Committee. All documents supporting the appeal must be submitted within 30 days from the date of notification of the denial. The appeal must be based upon new or missing evidence not previously presented. Simply disagreeing with the decision is not grounds for an appeal.

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

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

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

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

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

= 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:

\[ \frac{46.00 \text{ total grade points}}{13 \text{ credit hours}} = 3.54 \text{ GPA} \] 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. It is expected that the student will have completed a majority of the course. When an instructor assigns an “I” grade for a course, the student is notified through email 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 change of grade. GPA is recalculated after the grade change. Grade changes other than medical withdrawals will be considered only during the term immediately following the one in which the grade was assigned, except that grades assigned during the Spring semester may be changed during either the following Summer term or Fall semester. A change in grade must be approved by the dean of the college or school. A grade will not be changed after a degree has been conferred. The Registrar will change a student’s academic standing if necessitated by a change of grade, except in cases of academic suspension. If a student is suspended, the Admissions and Standards Committee may review the suspension and readmit the student if the Committee decides readmission is warranted.

Grade Reports

Grades are available from myUCF at https://my.ucf.edu.

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 by academic unit. Students in all 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 should be excused on a “Program Verification” form. Program Directors shall provide each student with a copy of this form. It is the student’s responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 142; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Sports Center, 103A; 407-823-5896.

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

Classroom Responsibility

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

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

Student Conduct

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

A person applying for admission to UCF who has declared a violation of conduct policies at a previous college or university or has been charged with a violation of the law (including traffic violations that result in a fine of $200 or more) may have circumstances of the case reviewed by the Office of Student Conduct (FC 154) for consideration 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 his/her instructors at the beginning of the term to be excused from classes to observe the religious holy day.

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. When 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

UNIVERSITY OF CENTRAL FLORIDA
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 undergraduate students 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 enrolled in 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. Learning less than a “C” (2.0) average the first term would result in expulsion.

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 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,
   - Cum Laude for those students in the upper 10 percent, but not in the upper 2.5 percent
   - University may be admitted on provisional status where appropriate.

For the most up-to-date UCF Honors minimum GPA requirements, consult the Academic Honors list at http://ikm.ucf.edu/enrollment-graduation/grad-honors-gpa-standing/.

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 Burnett Honors College portion of the Undergraduate Catalog.

Grades in Repeating Courses
Concerning grades in repeated courses, UCF will apply the best grade of the first two attempts for the same course when grade forgiveness is not used. If a student chooses to enroll in a course for a second time, he/she will be subject to paying the repeat surcharge.

Regardless of whether the grade earned is better, worse, or the same as previous attempts, the grade earned in the last attempt, in a sequence of three or more attempts, will be the grade applied toward the degree and program requirements.

All attempts for the course will be recorded on the student’s transcript and will be part of the GPA calculation unless there is an approved grade forgiveness. In the case of grade forgiveness, all grades will be recorded but the GPA will be calculated in accordance to the Grade Forgiveness policy. See the Grade Forgiveness policy in this catalog and information located at http://registrar.ucf.edu/grade-forgiveness.

Attempts courses will impact excess hours in accordance to Florida Statute 1009.286. Students are strongly encouraged to carefully review information on excess hours in this catalog or at http://registrar.ucf.edu.

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://calendar.ucf.edu. 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 or meet degree requirements;
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. In addition, if the student is ineligible, the two grades will be averaged for the calculation of the GPA;
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 College System institution 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...
A student who has been academically disqualified by UCF for a cumulative GPA of less than 2.0 is not eligible for readmission. A student readmitted following Disqualification who fails to achieve a minimum 2.0 Term GPA is excluded from the University. Exclusion is most serious and students are not eligible for readmission after Exclusion. An individual who has been Excluded will not be considered for readmission, and may not appeal any failure to be readmitted following Exclusion.

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

Readmission
A student must apply for readmission to the Registrar’s Office (MH 161) if:
1. the student has not enrolled at UCF for two consecutive semesters (not including the Summer term);
2. the student has been academically suspended from UCF;
3. the student failed to enroll or withdrew from all classes during the readmitted term;
or,
4. the student has previously attended, and 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 on https://my.ucf.edu. Log on to myUCF using your student ID and password and then go to Student Self Service > Student Center. Once on the Student Center page, go to the “Other Academics…” dropdown menu and scroll down to “Readmission Application.” 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 or more may not be eligible for admission 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 the Florida Residency for Tuition Purposes within “Financial Information” of the Undergraduate Catalog.

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

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

Readmission Following Suspension: Disqualification, with a Grade Point Deficiency of Less than 30 Grade Points
A student who has been academically disqualified by UCF (with a grade point deficiency less than 30 grade points) who has completed the two semester academic suspension 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 GPA point average to 2.0.

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

Grading Policies
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Exclusion (Second Suspension or more)
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Academic Regulations and Procedures

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; and 3) student appeals to 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 has been denied readmission has thirty (30) days from the date of the denial to appeal to the Admissions and Standards Committee. The appealing student must satisfy the following requirements before a decision will be made:

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 reviewed;
3. Submit a completed “Application for Readmission as an Exception to the University” to the Registrar’s Office for information specific to 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.
4. Contact the Registrar’s Office for information specific to readmission following readmission. Please note that a plan to complete the program of study from your intended major’s department/school/college may be required as part of the readmission application packet. Until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student’s current field of study and the field of study to which the student is seeking the change; and
5. 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 and one appeal per 12-month period following 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 the 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 30 or more Grade Points)
Students who are disqualified (with a grade point deficiency of 30 grade points or more) are not eligible for readmission to the University. The Registrar’s Office will deny readmission to ineligible students. A student denied readmission by the Registrar’s Office has thirty (30) days from the date of the denial to appeal that decision to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission. A student must remain on readmission plan until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student’s current field of study and the field of study to which the student is seeking the change.

 Dropping or Withdrawing During Readmitted
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.”
Academic Regulations and Procedures

After a thorough evaluation of both the appeal and all required supporting documentation, the Admissions and Standards Committee will render a decision. The decision of the committee will be based upon university policy and information presented in the appeal. Decisions are final, and there is no appeal beyond the committee. If a student feels there is new or missing evidence that was not available at the time of the original appeal, submitted to the Chair of the Admissions and Standards Committee for further consideration. Simply disagreeing with the committee’s decision is not grounds for reconsideration.

Disqualified (with a Grade Point Deficiency of 30 or more Grade Points) and Excluded students are not eligible for readmission to the University and have no right to appeal for an exception to University policy to the Admissions and Standards Committee.

Academic Amnesty Program

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

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

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

Athletic Eligibility and Retention Committee

The Athletic Eligibility and Retention Committee (AERC) has oversight of the athletic participation of students who engage in intercollegiate athletics. It relies on information gathered from the Office of Athletic Compliance, the Office of Academic Services for Student-Athletes, coaches and the individual student. Student-athletes who desire to continue their athletic participation while being on academic probation must have the written support of their coach, complete a written document stating their methods and dedication to improve their level of academic achievement and the approval of the AERC. The committee shall review each applicant’s academic potential and current status and determine conditions for the individual’s degree of continued participation in intercollegiate athletic activities.

Name Changes

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

In addition to legal name changes, the University provides students the option for a Preferred Name. Students wishing to establish a preferred name option may accomplish this by submitting the Change of Name Form to the Registrar’s Office.

Address and Email 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 email changes also can be made by writing the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114 or fax to 407-823-5652. Written requests must be signed and the student identification number provided.

Transcript Requests

Requests for official transcripts must be made online via myUCF (https://my.ucf.edu). Telephone and email requests are not accepted. Transcripts cannot be released if there is a hold due to a financial obligation to the University. Requests may be made for immediate delivery or the request can be held until final semester grades have been posted or a degree has been awarded. Students have the option to upload an attachment to be sent with their transcript as well. Transcripts may be sent via email as a PDF or via postal mail or FedEx on paper. The charge is $15 per transcript unless it is held for pick up, which carries a $10 charge. A transcript that is requested for pick up may be obtained either from Main Campus or one of the Regional Campus locations. Transcripts not claimed within 30 days of printing will be destroyed and must be re-ordered. PDF transcripts that have not been downloaded within 30 days will expire and must be re-ordered.

For additional information, please review the website: http://registrar.ucf.edu/transcript-request.

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 Account Services (MH 109).

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

Extemating 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 Student Account Services (MH 109) at 407-823-2433.
Academic Regulations and Procedures

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 college level exam placement, Dual Enrollment, advance placement and international baccalaureate). An administrative hold to prevent future university registration will be placed on the records of all students that have not declared a major by the end of their first year or when meeting with an academic advisor (within Student Development and Enrollment Services, the Colleges, or Regional campuses) to have the hold released.

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

Minors
A Minor is a complement to a bachelor’s degree program/major requiring at least 18 credit hours in a field. A student may declare a minor at any point during the first term of enrollment up to but no later than the submission of the online “Intent to Graduate Form.” Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from a single UCF Undergraduate Catalog for which a student is eligible. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second degree is earned, certification will not be made at a later time even if additional courses have been completed. Students can declare, change, or drop minors online at https://my.ucf.edu > Student Self Service > Student Center > other academic (drop down menu) > Change Major: Request. Follow the directions on that page.

Undergraduate Certificates
An undergraduate Certificate is a supplement to the bachelor’s degree program/major. Certificates are optional. Students must be admitted in a degree seeking program to be eligible to receive an undergraduate Certificate, and a Certificate will only be granted together with completion of a UCF baccalaureate degree. All graduation requirements (i.e., the certificate and major/minor) must be from the same UCF Undergraduate Catalog for which a student is eligible. Certificates can be declared or changed online at https://my.ucf.edu.

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 electronically scanned. Once the student has been absent from the University for three academic years, all records may be transferred to optical disk storage and the paper copies destroyed.

Family Educational Rights and Privacy Act (FERPA)
The procedures for protecting the confidentiality of student records are based on state regulations and the federal Family Educational Rights and Privacy Act of 1974. FERPA affords students certain rights with respect to their education records. They are:
1. The right to inspect and review the student’s education records within 30 days of the day the University receives a written request for access. Students should submit to the University Registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they desire to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed;
2. The right to request the amendment of the student’s education records that the student believes are inaccurate or misleading. The student may ask the University to amend a record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify 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. Directory information at UCF includes:

- name
- current mailing address
- telephone number
- date of birth
- major field of study
- dates of attendance
- enrollment status
- degrees and awards received
- participation in officially registered activities and sports
- athletes’ height and weight

The University extends to students the opportunity to withhold even directory information from disclosure, by opting out of the University’s directory information policy. Students can do this online at https://my.ucf.edu > Student Self Service > Student Center > Personal Information > FERPA/Directory Restriction 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.

Other Disclosures:
FERPA also authorizes the University to forward educational records to other agencies or institutions that have requested the records AND in which the student seeks or intends to enroll or is already enrolled so long as the disclosure is for purposes related to the student’s enrollment or transfer.

All other disclosures of education records and information will be made in accordance with FERPA. In most cases, but not all, this requires the student’s prior written and signed consent. The Golden Rule outlines the University procedures to protect confidentiality. For additional information describing FERPA policy, enter the
Academic Regulations and Procedures


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

Accelerated Educational Opportunities

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

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

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

Advanced Placement Language (all modern languages)
A score of 3 earns a minimum of one semester (min. 3 credits - XXX 2230 or 2200) 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 2200 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 (AP)

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<tr>
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*The AB subscore on the Calculus BC exam is regarded the same as a Calculus AB score.

#If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1005.
### INTERNATIONAL BACCALAUREATE

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<td>BSC 1005/1005L and BSC 2010C</td>
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<td>GEB 2011 and 2905</td>
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<td>CHM 1020/1020L and CHM 2045C</td>
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<td>CGS 1079 and 1906</td>
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<td>SCI Found 2</td>
<td>ECO 2013 and 2023</td>
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<tr>
<td>Ecosystems and Societies</td>
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<td>EVR 1017 and 1906</td>
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<td>ENC 1101 and 1102</td>
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<td>LTC 1141 and LTC 1000</td>
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<td>FIL 1001 and 1002</td>
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<td>FRE 1121C and 2200</td>
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<td>MHP 1202 and 1209</td>
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<td>GEO 1200 and 1400</td>
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<td>WOH 1030 and WOH 1999</td>
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<td>Marine Science</td>
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<td>MAC 1105 and 1140</td>
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<td>Mathematics</td>
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<td>SCI Found 2</td>
<td>MAC 1147 and 2233</td>
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<td>MUL 2010 and HUM 1006</td>
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<td>PHI 2010 and 1906</td>
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<td>PHY 2053C and 2054C</td>
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<td>SPN 1121 and 2230</td>
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<td>ART 1012</td>
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<td>ART 1012 and 1906</td>
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*This use for General Education applies only to I.B. credit.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

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<thead>
<tr>
<th>Exam</th>
<th>Scale Score of 50 for passing</th>
<th>GEP Usage</th>
<th>Comments</th>
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<tbody>
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<td>Score of 59 or higher earns FRE 1120C and 1121C</td>
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<tr>
<td>Algebra, College</td>
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<td>Score of 60 or higher earns GER 1120C and 1121C</td>
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<td>American Government</td>
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<td>American Literature</td>
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<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
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<td>Calculus</td>
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<td>College Composition Modular</td>
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<td>English Composition with Essay</td>
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<td>English Literature</td>
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<td>German Language</td>
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<td>History of the United States II: 1865 to Present</td>
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<td>Precalculus</td>
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<td>Trigonometry</td>
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<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>EUH 2000</td>
<td>SCI Found 1</td>
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<td>Western Civilization II: 1648 to Present</td>
<td>EUH 2001</td>
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</table>
Advanced Placement Latin
The AP Latin course focuses on one or two authors. Students either study Vergil, or follow a “Latin Literature” syllabus that includes Catullus and either Horace, Ovid, or Cicero. A minimum of one semester (min. 3 credits) should be awarded for a score of 3 or higher.
AP Latin: Vergil LNW 2321
AP Latin: Latin Literature LNW 3700 (number unique to exam)

International Baccalaureate Program
(see table on previous page)

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

International Baccalaureate (all modern languages)
International Baccalaureate offers examinations in many languages and literatures at different levels: A1, 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 examinations. Institutions may wish to award additional credit for higher-level exams.

Language B (most common)
Students earn a minimum of one semester (3 credits) of language credit at the Elementary Language II or equivalent level (usually 1121C) level for a score of 4. Students who score 5-7 earn a minimum of two semesters (min. 6 credits) of Elementary Language II and Intermediate Language I or their equivalents (usually 1121C/2200) level. No literature credit will be awarded for International Baccalaureate Language B exams.

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

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

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

College Level Examination Program (CLEP)
(see table on previous page)

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

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

- Credit may be awarded in the CLEP subject examination area, provided the student: a) is not within 60 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, or 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 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 70 or above the second CLEP threshold level (currently 50 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.
The Academic Regulations and Procedures

Cambridge AICE Exams

(see table below)

The Advanced International Certificate of Education (AICE) program is an international, advanced secondary curriculum and assessment program equivalent to the British system of "A-Levels." Information about the program, including course syllabi, can be found online at http://www.cie.org.uk/qualifications/academic/uppersec/alevel.

### CAMBRIDGE AICE EXAMS

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<th>Exams</th>
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<td>Accounting (A-Level)</td>
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<td>Further Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 2312</td>
<td>MAT Found 1</td>
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<tr>
<td>Further Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 2312</td>
<td>MAT Found 1</td>
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<tr>
<td>General Paper</td>
<td>IDS 1110</td>
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<tr>
<td>Geography (AS-Level)</td>
<td>GEA 1000</td>
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<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
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<td>German Language (AS-Level)</td>
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<td>German Language (A-Level)</td>
<td>GER 1121 and GER 2200</td>
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<td>German Language (A-Level)</td>
<td>GER 1121 and GER 2200</td>
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<td>Global Perspectives Pre-U Independent Research II (A-Level)</td>
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<tr>
<td>History - European History, c. 1789-1917 (AS-Level)</td>
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<td>History - European History, c. 1789-1941 (A-Level)</td>
<td>EUH 2031 and EUH 1906</td>
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<tr>
<td>History - The History of the USA, c. 1840-1968 (A-Level)</td>
<td>ANH 2042</td>
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<tr>
<td>History - The History of the USA, c. 1789-1939</td>
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<tr>
<td>History - International History, 1945-1991 (AS-Level)</td>
<td>WOH 2040</td>
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<tr>
<td>History - International History, 1871-1917 (A-Level)</td>
<td>WOH 2040</td>
<td>SCI Found 2</td>
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<tr>
<td>History - International History, 1840-1941 (AS-Level)</td>
<td>ANH 2029</td>
<td>SCI Found 2</td>
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<tr>
<td>History - U.S. History, c. 1840-1990 (AS-Level)</td>
<td>ANH 2029</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>History - U.S. History, c. 1840-1990 (A-Level)</td>
<td>ANH 2029 and ANH 2030</td>
<td>SCI Found 2</td>
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<tr>
<td>Latin (AS-Level)</td>
<td>LAT 1121C</td>
<td>SCI Found 2</td>
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<td>Latin (A-Level)</td>
<td>LAT 1121C</td>
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<tr>
<td>Marine Science (AS-Level)</td>
<td>OCE 1001</td>
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<td>Marine Science (A-Level)</td>
<td>OCE 1001 and OCB 1000</td>
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<tr>
<td>Mathematics (AS-Level)</td>
<td>MAC 1147</td>
<td>SCI Found 2</td>
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<td>Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Media Studies (AS-Level)</td>
<td>DIG 1000C</td>
<td>SCI Found 2</td>
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<tr>
<td>Media Studies (A-Level)</td>
<td>DIG 1000C and DIG 2030</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Music (AS-Level)</td>
<td>MUH 1001</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Music (A-Level)</td>
<td>MUH 1001 and MUH 2011</td>
<td>SCI Found 2</td>
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<tr>
<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
<td>SCI Found 2</td>
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<tr>
<td>Physics (A-Level)</td>
<td>PHY 2053C and PHY 2054C</td>
<td>SCI Found 2</td>
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<tr>
<td>Psychology (AS-Level)</td>
<td>PSY 1021C</td>
<td>SCI Found 2</td>
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<td>Psychology (A-Level)</td>
<td>PSY 1021C and PSY 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Sociology (AS-Level)</td>
<td>SYG 2000</td>
<td>SCI Found 2</td>
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<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Spanish Language (AS-Level)</td>
<td>SPN 1121</td>
<td>SCI Found 2</td>
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<tr>
<td>Spanish (A-Level)</td>
<td>SPN 2220 and SPN 2231</td>
<td>SCI Found 2</td>
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<td>Spanish Literature (AS-Level)</td>
<td>SPW 3010</td>
<td>SCI Found 2</td>
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<td>Thinking Skills (AS-Level)</td>
<td>PHI 1103</td>
<td>SCI Found 2</td>
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<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and PHI 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Travel and Tourism (AS-Level)</td>
<td>HFT 1000</td>
<td>SCI Found 2</td>
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<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and HFT 1906</td>
<td>SCI Found 2</td>
</tr>
</tbody>
</table>

*If the student has previous credit for ENC 1101, credit will be awarded for ENC 1102.*

# If the student has previous credit for ENC 1101, credit will be awarded for ENC 1102 and LIT 2100.

DANTES Examination Credit

(see table on next page)

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.
### UEXCEL Credit by Examination

<table>
<thead>
<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Score</th>
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<tbody>
<tr>
<td>Calculus</td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
<td>C</td>
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<tr>
<td>College Writing</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>C</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>SPN 1120</td>
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<td>C</td>
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### EXCELSIOR COLLEGE EXAMINATIONS TABLE

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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</thead>
<tbody>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
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<tr>
<td>Earth Science</td>
<td>ESC 1000</td>
<td></td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td>CDM Found 1</td>
<td>C</td>
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<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
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<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to Music</td>
<td>CCJ 1100</td>
<td></td>
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<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
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<tr>
<td>Management Accounting</td>
<td>ACG 2071</td>
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<tr>
<td>Microbiology</td>
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<tr>
<td>Principles of Marketing</td>
<td>MAR 2011</td>
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<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
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<tr>
<td>Workplace Communication with Computers</td>
<td>OST 2335</td>
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<tr>
<td>World Conflicts since 1900</td>
<td>WOH 2040</td>
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### DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Score</th>
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</thead>
<tbody>
<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
<td>SCI Found 2</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
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<tr>
<td>Business Ethics and Society</td>
<td>GEB 2441</td>
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<td>Business Law II</td>
<td>BUL 2242</td>
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<td>Business Math</td>
<td>COM 1001</td>
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<tr>
<td>Computing and Information Technology</td>
<td>CGS 1060</td>
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<tr>
<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>PHI 1630</td>
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<tr>
<td>Foundations of Education</td>
<td>MAN 1300</td>
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<tr>
<td>Fundamentals of College Algebra</td>
<td>MAT 1033</td>
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<td>Fundamentals of Counseling</td>
<td>PCO 1202</td>
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<td>Fundamentals of Cyber Security</td>
<td>CIS 1354</td>
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<tr>
<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SOC Found 2</td>
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<tr>
<td>Here’s to Your Health</td>
<td>HSC 1100</td>
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<td>History of the Vietnam War</td>
<td>AMH 2059</td>
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<td>History of the Soviet Union</td>
<td>EUH 1066</td>
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<td>Human Resources Management</td>
<td>MAN 1300</td>
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<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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<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>CUL and HIST Found 2</td>
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<td>Introduction to Business</td>
<td>GEB 2011</td>
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<tr>
<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>
<td>FIN 1100</td>
<td>SCI Found 2</td>
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<tr>
<td>Physical Geology</td>
<td>GLY 1000</td>
<td>SCI Found 2</td>
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<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
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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>
<td>SCI Found 1</td>
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<td>Principles of Public Speaking</td>
<td>SPC 1000</td>
<td>COM Found 3</td>
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<td>Principles of Statistics</td>
<td>STA 2014</td>
<td>MAT Found 2</td>
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<td>Principles of Supervision</td>
<td>MNA 1345</td>
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<td>Substance Abuse</td>
<td>HSC 2140</td>
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<td>Technical Writing</td>
<td>ENG 2210</td>
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<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
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</table>
UNDERGRADUATE DEGREE REQUIREMENTS

Requirements for Graduation
Students must fulfill both the requirements for a major and University requirements to receive a bachelor’s degree from the University of Central Florida. The student must:

- Fulfill the requirements for the chosen major;
- Earn a minimum of 120 unduplicated credit hours with at least a “C” average (2.0 GPA) for all UCF course work attempted. Some majors require more than 120 hours;
- Earn at least 48 of these 120 credit hours in 3000-level courses or above (upper-division);
- Earn a minimum of 30 of their last 39 hours in regular courses at UCF. Credit by Examination may not be used to satisfy this requirement;
- Earn a minimum of 25% of the total hours required for the degree in residence at UCF. For programs that require the minimum of 120 total hours, residency will be 30 hours. For programs that exceed this requirement, the specific residency requirement increases proportionally and is listed with the requirements for the specific degree program;
- Earn a minimum of 60 credit hours after CLEP credit has been awarded;
- Apply for more than 45 credit hours in any combination of externship, correspondence, CLEP, University Credit by Examination and Armed Forces credits toward an undergraduate degree;
- Fulfill the General Education Program requirements;
- Fulfill the Gordon Rule requirements;
- Fulfill the Foreign Language requirements as defined elsewhere in this section;
- Earn a minimum of nine credit hours during Summer terms, if applicable, and;
- Be registered at UCF during the semester of graduation.

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

Choice of Catalog (Catalog Year) and Continuous Enrollment
A student must graduate under the degree requirements of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. However, courses may change (for example, in credit hours or in prerequisites) or be discontinued as a result of curricular review. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida College System institutions or state universities may use the UCF Undergraduate Catalog in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions.

Continuous enrollment is defined as being enrolled in classes without a break of two or more consecutive regular semesters/terms (i.e., Fall and Spring or Summer, the Spring, and Fall). Continuous enrollment is automatically broken when a student moves from one transfer institution to another following academic disqualification or exclusion.

Students who change majors between different colleges must adopt the most current Catalog. Additional information is included in the program descriptions. Students pursuing a single degree (including double majors and/or minors) must use a single catalog and cannot use a combination of catalogs for graduation. In cases when required courses are no longer taught by the University, the appropriate department, college, or Academic Services (MH 210) may designate a reasonable substitute. If a student desires to change the catalog for graduation, the student should first discuss with the advisors how such a change would affect University, college, and major requirements. If a student decides to request a change, he or she must submit a “Catalog Year Change Request Form” to the Registrar’s Office (MH 161). This form is available at the Registrar’s Office or online at http://www.registrar.ucf.edu.

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

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 College System institutions and universities in lieu of completion of the University’s General Education Program. Students enrolled in courses that use the “NC” grade must earn a grade of “C-” (1.75) or better.

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

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

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

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

Science Foundation
- Demonstrate an understanding of science as an empirical attempt to acquire information about the real world, develop possible explanations of these phenomena, and test the explanations by predicting the outcome of future observations.
- Demonstrate an ability to assess the extent to which claims presented as “scientific” satisfy the empirical character of scientific explanations.
- Demonstrate understanding of scientific knowledge and problem solving in a physical or life science.
Substitution of Courses: General Education Program and Other Requirements

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

General Education Program (GEP) Courses (36 credit hours required)

(Some majors require a specific course or a higher level course in some areas. Consult your major requirements and advisor.)

Satisfactorily complete one course in each of the twelve numbered areas............ 38 hours

At least one course completed in each Foundation area must be a designated State General Education Core Course (∗)

A. Communication Foundation 9 hours

1. ∗ENC 1101 Composition I 1, 2 3(3,0)
2. ENC 1102 Composition II PRENC 1101 1, 2 3(3,0)
3. SPC 1608 Fundamentals of Oral Communication 3(3,0)
4. SPC 1603C Fundamentals of Technical Presentations 3(3,0)
5. COM 1000 Introduction to Communication 3(3,0)

B. Cultural and Historical Foundation 9 hours

1. EUH 2000 Western Civilization I 2 3(3,0)
2. EUH 2001 Western Civilization II 2 3(3,0)
3. HUM 2110 Humanistic Tradition I 3(3,0)
4. HUM 2210 Humanistic Tradition II 3(3,0)
5. AMH 2010 U.S. History: 1492-1777 3(3,0)
6. WOH 2012 World Civilization I 2 3(3,0)
7. WOH 2022 World Civilization II 2 3(3,0)

C. Mathematical Foundation 6 hours

1. ∗MAC 1114C College Algebra 2 3(1,3)
2. MAC 2311C Calculus with Analytic Geometry I 2 4(3,2)
3. MGF 1106 Finite Mathematics 3(3,0)
4. MGF 1107 Explorations in Mathematics 2 3(3,0)
5. CGS 1060C Introduction to Computers 2 3(2,2)
6. STA 2014C Principles of Statistics 2 3(3,0)
7. STA 2023 Statistical Methods I 2 3(3,0)
8. CGS 2100C Computer Fundamentals for Business 3(2,1)
9. COP 2500C Concepts in Computer Science 4(3,1)
10. COP 3502C Computer Science 3(3,1)
11. COT 3100C Introduction to Discrete Structures 3(3,1)
12. STA 3032 Probability and Statistics for Engineers 3(3,0)

D. Social Foundation 6 hours

1. ∗ECO 2013 Principles of Macroeconomics 3(3,0)
2. ECO 2023 Principles of Microeconomics 3(3,0)
3. FEO 2041 American National Government 3(3,0)
4. AMH 2020 U.S. History: 1877-present 4(3,0)

E. Science Foundation 6 hours

1. ∗AST 2002 Astronomy PR: High School Algebra or MAC 1105C 3(3,0)
2. ∗BSC 2004 Biology 3(3,0)
3. ∗BSC 2014C Biology I 3(3,0)
4. ∗PHY 2048C General Physics Using Calculus I 4(3,3)
5. CHM 1020 Concepts in Chemistry PR: High School Algebra 3(3,0)
6. CHM 2040C Chemistry Fundamentals I 4(3,1)
7. CHS 1440 Principles of Chemistry 4(3,1)
8. CHM 1032 General Chemistry 3(3,0)
9. CHM 2040+ & Chemistry Fundamentals IA 3(3,0)
10. CHM 2041+ Chemistry Fundamentals IB 3(3,0)
11. PHY 1038 Physics of Energy, Climate Change and Environment 3(3,0)
12. ∗BSC 1005* Biological Principles 3(3,0)
13. BSC 1050* Biology and Environment 3(3,0)
14. ∗BSC 2010C Biology I 4(3,3)
15. EVR 1001 Introduction to Environmental Science 3(3,0)
16. GLY 1030 Geology and its Applications 3(3,0)
17. GEO 1200 Physical Geology 3(3,0)
18. ANT 2511 The Human Species 3(3,0)
19. MCB 1310 Intro to Biotechnology and Genetic Engineering 3(3,0)
20. GEO 2370 Resources Geography 3(3,0)
21. MET 2104 The Earth’s Climate 3(3,0)
22. GLY 2038 Environmental Geoscience 3(3,0)

General Education Alternate Courses: Substitutions for designated State General Education Core Courses (∗):

Mathematical Foundation: MAC 1114C, MAC 1140C

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
Undergraduate Degree Requirements

Florida College System institution or public state university. Students who have previously completed a baccalaureate degree also are exempt.

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

**General Education Courses:**
- ENC 1102 Composition II
- SPC 1608 Fundamentals of Oral Communication
- SYG 2000 Introduction to Sociology
- ANT 2000 General Anthropology
- POS 2041 American National Government
- PSY 2012 General Psychology
- WOH 2022 World Civilization II
- LIT 2120 World Literature II
- MUL 2720 Music of the World

**Other Courses:**
- AMH 3422 Frontier Florida
- AMH 3425 Sunbelt Florida
- AMH 3562 Women in American History II
- AML 3283 Contemporary American Women's Fiction
- AML 3615 Harlem, Haiti, and Havana
- AML 3682 Ethnic Literature in America
- ANT 3245 Native American Religions
- ANT 4408 Culture, Disease, & Healing
- ANT 4480 Global Health in Anthropological Perspective
- ARH 3670 20th Century Latin American Art
- ARH 4871 Women in Art
- ASH 4304 Women in 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 Intercultural Communication
- COP 3034 Politics of Developing Areas
- EDF 2085 Introduction to Diversity for Educators
- GEO 3471 World Political Geography
- HUM 2230 Humanistic Tradition II
- HUM 3423 African Humanities
- HUM 4626 Postcolonial Theory
- HUM 4459 American Cultural Studies in the Humanities
- JST 3401 Jewish People in Antiquity
- JST 3402 Wanderings: The Jewish People in Dispersion

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. Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.
Placement in Language Courses
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. Students should consult with their major advisor to determine specific 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 (competency of foreign language or American Sign Language equivalent to the second high school level or higher [Spanish 2, Haitian Creole 2, etc.] or at the elementary level 2 level in one foreign language or American Sign Language at an undergraduate institution) 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 the 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:

1. Six hours of mathematics at the level of college algebra or higher
2. Six hours of English coursework and six hours of additional college level writing

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Undergraduate Degree Requirements

HUM 2210 Humanistic Tradition I
HUM 2230 Humanistic Tradition II
THE 2020 Theatre Survey for Majors
WOH 2012 World Civilization I
WOH 2022 World Civilization II

Non-Gen Ed courses that also apply to the Gordon Rule Writing Requirement:

AMH 2101H Honors U.S. History: 1492-1877
AMH 3402 History of the South Since 1865
AMH 3403 History of the South Since 1865
AMH 3441 History of the Frontier: Eastern America
AMH 3442 History of the Frontier: Western America
AMH 3541 U.S. Military History To 1900
AMH 3561 Women in American History I
AMH 3571 Black American History I
AMH 3580 North American Indians
AMH 3800 Canadian History
AMH 4110 Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4140 Jeffersonian America
AMH 4160 Jacksonian America
AMH 4201 The Gilded Age and Progressivism
AMH 4231 United States History: 1914-1939
AMH 4270 United States History: 1939-1960
AMH 4444 Viewing American History in the Twentieth Century
AML 3031 American Literature I
AML 3041 American Literature II
AML 3283 Contemporary American Women’s Fiction
AML 3286 Early American Women’s Words
AML 3613 Narratives of Slavery
AML 3614 Topics in African-American Literature
AML 3615 Harlen, Haiti, and Havana
AML 3640 Native American Literature
AML 3643 Contemporary Native American Prose and Poetry
AML 3682 Ethnic Literature in America
AML 3692H Honors Ethnic Literature in America
AML 4151 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 4300 Major American Authors
AML 4304 Whitman and His Heirs
AML 4321 Modern American Literature
AML 4630 Latino/Latina Literature
ANT 3163 Mesoamerican Archaeology
ANT 3701 Engagement & Social Change: Public Anthropology
ASH 3222 Islam and Its Empires
ASH 3223 The Modern Middle East
ASH 4402 History of Chinese Civilization
ASH 4404 Modern China
ASH 4442 Modern Japan
DAN 3134 Dance History
EAS 4700C Aerospace Design I
EGN 4412C Interdisciplinary Design I
EML 4501C Engineering Design I
ENC 1101H Honors English Composition I
ENC 1102H Honors English Composition II
ENC 3241 Honors Writing for Technical Professional
ENC 3250 Professional Writing
ENC 3310 Magazine Writing I
ENC 3311 Essay as Cultural Commentary
ENC 3314 Writing in the University
ENC 3315 Argumentative Writing
ENC 3330 Rhetorical Traditions
ENC 3331 Rhetoric and Civic Engagement
ENC 3331H Honors Rhetoric and Civic Engagement
ENC 3351 Writing for Publication
ENC 3351H Honors Writing for Publication
ENC 3373 Cultural Rhetorics
ENC 3417 Literacy and Technology
ENC 3453 Writing About Health and Medicine
ENC 3455 Writing About Science and Technology
ENC 3455H Honors Writing About Science and Technology
ENC 3456H Honors Writing About Health and Medicine
ENC 3473 Writing in Disciplinary Cultures
ENC 3502 Research Writing and Literacy
ENC 3521 Writing Across Difference
ENC 4321 Professional Editing
ENC 4325 Technical Publication and Project Management
ENC 4318 The Visual in Technical Documentation
ENC 4362 International Technical Communication
ENC 4365 Writing for the Computer Industry
ENC 4375 Theory and Practice of Tutoring Writing
ENC 4380 Technical Writing Style
Undergraduate Degree Requirements

ENC 4290 Usability Testing for Technical Communications
ENC 4293 Documentation and the Collaborative Process
ENC 4294 Documentation and Client-Based Collaboration
ENC 4298 Technical Communication for the Virtual Workplace
ENC 4313 Research Writing
ENC 4353 Writing for Social Change
ENC 4354 Writing with Communities and Nonprofits
ENC 4380 Nature Writing
ENC 4378 Writing in Global and Transnational Communities
ENC 4414 Writing and Hypertext
ENC 4416 Writing in Digital Environments
ENC 4416H Honors Writing in Digital Environments
ENC 4434 Visual and Material Rhetorics
ENG 3010 Practical Criticism
ENG 3014 Theories and Techniques of Literature Study
ENG 3073 Cultural Studies Literature
ENG 3833 Marketing Your Writing
ENG 4114 Literature and Film
ENG 4614 Discourse of Global Cultural Studies
ENL 2012 English Literature I
ENL 2022 English Literature II
ENL 3231 Restoration Literature
ENL 3296 Gothic Literature
ENL 3654 Black British Literature
ENL 4101 English Novel
ENL 4220 English Renaissance Poetry and Prose
ENL 4230 18th Century Studies
ENL 4240 English Romantic Writers
ENL 4253 The Victorian Age: Poetry
ENL 4262 Nineteenth Century British Prose
ENL 4273 Modern British Literature
ENL 4303 British Authors
ENL 4311 Chaucer
ENL 4333 Shakespeare Studies
EIH 200H0 Honors Western Civilization I
EIH 3122 Medieval Society and Civilization
EIH 3142 Renaissance and Reformation
EIH 3242 Modern Europe and the First World War
EIH 3281 Second World War and Rebirth of Europe
EIH 3451 History of Modern France
EIH 4284 Fascism and Nazism in the Interwar Europe
EIH 4465 Hitler's Third Reich
EIH 4500 English History to 1485
EIH 4501 English History, 1485-1815
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 210H Honors Humanistic Tradition I
HUM 3320 Contemporary Multicultural Studies
HUM 3401 Asian Humanities
HUM 3431 Ancient Humanities
HUM 3460 Latin American Humanities
HUM 3553 Moses, Jesus and Muhammad
HUM 3880 Research Methods in Humanities and Cultural Studies
JOU 2100C News Reporting
JOU 3101 Advanced Reporting
JOU 4300 Feature Writing
LAH 3200 Modern Latin America
LAH 3400 History of Mexico and Central America
LAH 3470 History of the Caribbean
LAH 4461 History of Puerto Rico
LAH 4480 History of Cuba
LAH 4503 History of South America
LAH 4512 Modern Argentina
LAH 4630 History of Modern Brazil
LIT 3082 Continental European Fiction Since 1900
LIT 3132 The Legend and Literature of King Arthur
LIT 3192 Caribbean Literature
LIT 3192H Honors Caribbean Literature
LIT 3202 Death and Dying
LIT 3206 Literature of Place and Space
LIT 3212 Research and Writing about Literature
LIT 3313 Science Fiction
LIT 3313H Honors Science Fiction Literature
LIT 3368 Magical Realism in Literature
LIT 3381 Women Writers of Color
LIT 3383 Women in Literature
LIT 3383H Honors Women in Literature
LIT 3394 Literature of AIDS
LIT 3394H Honors Literature of AIDS
LIT 3492 Literature & Popular Culture
LIT 3605 Literature and War
LIT 3714 Literary Modernism

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. Petition forms for exemption are available from the Academic Services website http://www.academicservices.ucf.edu/summer-waiver/.

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. One year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation Application Deadline
Students must complete the “Intent to Graduate” online at https://my.ucf.edu in the term preceding the one in which they intend to graduate (see the “Academic Calendar” for specific dates). Students who have not applied for graduation by the last day of classes in the term preceding the graduation term may not be listed in the Commencement Program. Graduating students must be enrolled at UCF during the term of graduation. Graduates may contact the Registrar’s Office for Commencement ceremony and guest ticket information or refer to http://commencement.ucf.edu.
Successful completion of the degree requirements stated in the Undergraduate Catalog under which the student plans to graduate shall constitute a recommendation of the respective college faculty that the degree be awarded, assuming the student is in good standing at the University. A student must complete all requirements for a baccalaureate or graduate degree no later than the date of the Commencement. A student may not be enrolled as a transient student in another institution during the term in which the baccalaureate degree or the Associate of Arts degree is to be awarded.

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 email). 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; Email: learn@nervm.nerdc.ufl.edu. Website: http://www.doce.ufl.edu.

Double Majors
- A student may earn one degree, a BA or BS, with two majors, by completing the requirements for both majors. If both majors are within the same college and are of the same degree type (BA or BS), both majors will be indicated on the diploma; however, if the majors are from different colleges or are of different degree types, only one major will appear on the diploma. Students earning a double major must use the same Catalog year for both majors.

Two Degrees
- A student may earn two degrees, a BA and a BS, by completing the requirements for both majors and earning a minimum of 150 credit hours.
- A student may earn two degrees, either both BA or both BS, if the degrees are earned in separate colleges and a minimum of 150 (or more) credit hours are earned.
- A student may earn two degrees, either both BA or both BS, within the same college if allowed by the particular college and a minimum of 150 (or more) credit hours are earned.
- Students earning two degrees may use different Catalog years for each degree. If different Catalog years are used, the general university requirements in the latest of the two catalogs will be applied to both degrees.

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

Graduates from regionally accredited four-year U.S. institutions who apply for admission to work toward a second baccalaureate degree at UCF must meet the regular admission requirements of the major department and the UCF residency requirement of 30 additional credit hours for that degree. Students holding the baccalaureate degree from regionally accredited U.S. institutions are considered to have completed Gordon Rule, foreign languages, and General Education Program Requirements. Students who hold degrees from non-regionally accredited U.S. institutions and foreign institutions may be required by the Office of Academic Services (MH 210) to fulfill all or part of the UCF General Education Program requirements as stipulated in the UCF Undergraduate Catalog.

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

Associate of Arts Degree
University of Central Florida students who satisfactorily complete 60 credit hours of acceptable college work may apply for an Associate of Arts degree. University requirements include achievement of a minimum UCF GPA of 2.0, fulfillment of the General Education Program requirements, and completion of the last 20 credit hours in residence at UCF. In addition, any student who desires to receive an A.A. degree must have satisfied the Gordon Rule requirement. Students must be enrolled at UCF during the semester in which they receive the Associate of Arts degree. Students who initially enter a Florida College System institution or a State University System institution in 2014-2015 or thereafter must also demonstrate competency in a foreign language equivalent to two years of high school instruction in the same language.

The Associate of Arts degree is awarded only upon application. The application form may be obtained from http://www.academicservices.ucf.edu/AA-degree and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. Students can be transient. They must send updated transcripts. 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 Design, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, Bachelor of Science in Social Sciences, and Bachelor of Social Work. 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, French, History, Humanities and Cultural Studies, Latin American Studies, Music, Philosophy, Religion and Cultural Studies, Spanish, Theatre Studies, Writing and Rhetoric

Bachelor of Design (B.Des.)
Major: Architecture

Bachelor of Fine Arts (B.F.A.)
Majors: Art, Film, Theatre

Bachelor of Music (B.M.)

Bachelor of Music Education (B.M.E.)
Majors: Photography

College of Business Administration
Bachelor of Science in Business Administration (B.S.B.A.)
Majors: Accounting, Business Economics, Finance, Integrated Business, Management, Marketing, Real Estate

Bachelor of Science (B.S.)
Major: Economics

College of Education and Human Performance
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.Con.E.), Electrical Engineering (B.S.E.E.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Information Technology (B.S.), Mechanical Engineering (B.S.M.E.)

College of Health and Public Affairs
Bachelor of Arts (B.A.)
Majors: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Nonprofit Management, Public Administration

Bachelor of Science (B.S.)
Majors: Athletic Training, Communication Sciences and Disorders, Criminal Justice, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Nonprofit Management, Public Administration

Bachelor of Social Work (B.S.W.)
Major: Social Work

College of Medicine
Burnett School of Biomedical Sciences
Bachelor of Science (B.S.)
Majors: Biomedical Sciences, Biotechnology, Medical Laboratory Sciences

College of Nursing
Bachelor of Science in Nursing (B.S.N.)
Major: Nursing

College of Optics and Photonics
Bachelor of Science in Photonic Science and Engineering (B.S.P.S.E.)
Major: Photonic Science and Engineering

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

Bachelor of Science (B.S.)
Majors: Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Social Sciences, Statistics

Rosen College of Hospitality Management
Bachelor of Science (B.S.)
Majors: Entertainment Management, Event Management, Hospitality Management, Restaurant and Foodservice Management

College of Undergraduate Studies
Bachelor of Applied Science (B.A.S.)
(Regional campuses only)
Bachelor of Arts (B.A.)
Major: Interdisciplinary Studies

Bachelor of Science (B.S.)
Major: Environmental Studies, 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 Business Administration</td>
<td>Accounting, Business, Economics, Entrepreneurship, Finance, International Business, Marketing, Professional Selling, Real Estate, Sport Business Management, Technological Entrepreneurship</td>
</tr>
<tr>
<td>College of Education and Human Performance</td>
<td>Art Education, Coaching, Early Childhood Development and Education, Community Sport and Fitness, Education, English Language Arts Education, Exceptional Student Education, Fitness Training, Human Services, Mathematics Education, Science Education, Social Science Education, Technical Education and Industry Training, World Languages Education - English for Speakers of Other Languages, World Languages Education - Languages Other Than English</td>
</tr>
<tr>
<td>College of Medicine Burnett School of Biomedical Sciences</td>
<td>Biomedical Sciences</td>
</tr>
</tbody>
</table>
The Burnett Honors College
Dean: Alvin Wang
407-823-3449; Fax: 407-823-6583
http://www.honors.ucf.edu

Associate Dean: Martin Dupuis
Director of Budget & Personnel: Lesanne Brunswick
Director of Advising: Rex Roberts
Director of Information Systems: Michael T. Callahan
Director of Prestigious Awards: Morgan Bauer
Director of Research and Community Engagement: Vanessa McRae
Director of Student Services: Madi Dogariu

The Burnett Honors College combines the intimacy of a small liberal arts college with the benefits of a large, research university located in a metropolitan environment. The mission of the College is to provide UCF’s most academically talented and motivated students with a challenging and unique scholarly experience, creating a strong foundation for future achievements. The College strives to create a diverse learning community that fosters the pursuit of excellence, ethical, social, and civic responsibility, personal growth, and a passion for lifelong learning.

Honors classes are small, and course work crosses traditional disciplinary boundaries to encourage critical thinking. Beyond the classroom, special guest lecturers, fellowship opportunities, and university-related service activities expand the horizons of Honors students.

Students in TBHC are actively involved in social activities. They also have priority registration privileges and access to the Honors Reading Room, Computer Labs, Meditation Garden, and Honors Housing. Students may pursue Honors through two distinct programs, University Honors and/or Honors in the Major.

University Honors
Admission to University Honors is granted by TBHC to qualified incoming freshmen (FTIC) on a competitive basis. Students who seek admission to University Honors must apply directly to TBHC. It is the student’s responsibility to obtain the appropriate Honors College approvals from the TBHC Office of Student Services and follow the procedures necessary to enter the program. Prospective Honors students and their families are encouraged to contact Honors staff at honors.admissions@ucf.edu if they have questions.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida College System institution that has an Honors Articles of Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services at honors.admissions@ucf.edu.

Students must maintain a minimum 3.2 UCF GPA and a minimum 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors students must: 1) complete 4 Honors lower-division courses2; 2) complete the Honors Symposium3; and 3) fulfill upper-division Honors course requirements determined by college or major3.

By the end of the semester prior to 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. Graduating seniors must complete the online “University Honors Exit Survey” by the end of the semester in which they plan to graduate. A student who completes all of the requirements for University Honors will have the designation of “University Honors” entered on the diploma and transcript. Note: No student with a “Z” designation on his/her final transcripts is eligible to graduate with University Honors.

Summary Table of University Honors Requirements

<table>
<thead>
<tr>
<th>Symposium</th>
<th>IDH 1920H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower-division</td>
<td>4 courses</td>
</tr>
<tr>
<td>Upper-division</td>
<td>3 courses; Vary by College and Major (see below)</td>
</tr>
</tbody>
</table>

The current upper-division requirements are as follows:

1. Complete one Honors Interdisciplinary Seminar3
2. Complete one Honors upper-division course (3000-4000 level) or Interdisciplinary Seminar3
3. Complete one Honors upper-division course, Interdisciplinary Seminar, or Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

College of Business Administration (Excluding Economics B.A. majors)
1. Complete one Honors Interdisciplinary Seminar3
2. Complete two Honors upper-division Business courses
   - BUL 3130H Honors Legal & Ethical Environment of Business
   - MAN 3025H Honors Management of Organizations
   - MAR 3023H Honors Marketing
3. Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

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

College of Medicine (excluding Medical Laboratory Sciences majors)
1. Complete one Honors Interdisciplinary Seminar3
2. Complete two of the following Honors upper-division courses
   - BCH 4053H Honors Biochemistry
   - ENS 3403C Honors Quantitative Biological Methods
   - MCB 3020C Honors Microbiology
   - MCB 4920H Honors Group Effort Applied Research
   - PCB 3063H Honors Genetics
   - PCB 3522H Honors Molecular Biology I
   - PCB 3703C Honors Human Physiology
   - PCB 4524H Honors Molecular Biology II
   - ZOO 3733C Honors Human Anatomy
   - ZOO 3744H Honors Neurobiology
   - ZOO 4704C Honors Clinical Neuroanatomy
   - ZOO 4747C Honors Clinical Neuroscience
3. Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

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

College of Engineering & Computer Science and College of Optics & Photonics
1. Complete one Honors Interdisciplinary Seminar3
2. Complete two Honors upper-division courses
   - COP 3223H Honors Introduction to Programming with C
   - COP 3502H Honors Computer Science I
   - COP 3503C Honors Computer Science II
   - COP 3100H Honors Introduction to Discrete Structures
   - EEL 3004C Honors Electrical Networks
   - EEL 3123C Honors Networks and Systems
   - ENC 3241H Honors Writing for the Technical Professional
   - EGN 3310H Honors Engineering Analysis-Statics
   - EGN 3321H Honors Engineering Analysis-Dynamics
   - EGN 3343H Honors Thermodynamics
   - EGN 3365H Honors Structure and Properties of Materials
   - MAS 3105H Honors Matrix and Linear Algebra
   - PHY 3101H Honors Physics for Engineers and Scientists III
   - STA 3032H Honors Probability and Statistics for Engineers
3. Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

Consult with 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)/seminar(s) can substitute for Lower Division courses.
2. Honors Symposium is a mandatory two credit hour course offered for FTIC’s in the Fall semester of each year. This course includes guest lectures and discussions. Honors Symposium also includes a Service-Learning component.
3. An Honors Interdisciplinary Seminar normally is an upper-division 3 credit hour course intended for all majors. Many seminars are team-taught, and present cutting-edge topics. Enrollments are limited to 20 students.

For more information about Honors requirements and advising, visit http://honors.ucf.edu/advising.

Acceptable Waivers
Please see The Burnett Honors College website at http://honors.ucf.edu/Students/Current_Students/Earning_Opportunities for a listing of acceptable waivers. Students should
obtain waivers from the Office of Honors Advising (BHC 109) prior to their participation in the listed programs.

Notes
Students who are pursuing University Honors in two degrees must complete an additional Upper-Division course or Interdisciplinary Seminar in order to receive University Honors distinction on both diplomas.

Honors in the Major (HIM) Directed Readings courses do NOT fulfill University Honors requirements. However, the successful completion of Thesis I and submission of thesis can fulfill one University Honors course requirement. NUR 3165H can fulfill HIM Directed Readings.

Honors in the Major
The Honors in the Major (HIM) Program is the oldest and most prestigious undergraduate research program at UCF, and is the only under-graduate research program on campus in which students undertake original and innovative research as principle investigators. The HIM program allows the students to enroll in a six credit course where they will research, defend, and publish an original Honors thesis that may serve as their capstone experience. Students who successfully complete the Honors in the Major program will be certified and graduate with Honors in the Major Distinction on the diploma and transcript.

The thesis is published through the University library and is available to researchers worldwide through electronic databases.

Requirements for admission to the Honors in the Major are: completion of at least 60 credit hours of college credit including at least 12 graded upper-division hours; at least a 3.4 Overall GPA and a 3.2 or higher UCF GPA. *Students must maintain the minimum GPA requirement in order to be certified for Honors in the Major distinction at the time of their graduation. Note: Students with a “Z” designation on his/her final transcript are not eligible to graduate with Honors in the Major distinction.

Honors in the Major Thesis Chair and Committee Responsibilities and Eligibility Requirements
The Thesis Chair serves as a mentor for the Honors in the Major student. The Thesis Chair will aid a student in selecting the thesis committee as well as in narrowing his or her topic of study within the discipline. Students selecting a thesis chair should seek a faculty member with interests and expertise in areas compatible with the intended thesis or project topic.

Thesis Chair
The Honors in the Major Thesis Chair should be tenured, tenure earning, or possess a terminal degree and a multiple-year contract at UCF and is a subject matter expert in the major of which the student is applying for Honors in the Major program. The recommendation for the Honors in the Major program.

*Exceptions may apply to students from departments or colleges with grandfathered agreements (i.e., Legal Studies, Nursing, and Regional Campuses).

Thesis Committee Member
The Honors in the Major program requires that at least one additional person serve on the thesis committee. The additional member can be selected from within or outside of the major. The committee member must hold a terminal degree and/or be a subject matter expert in the field of the student’s Honors in the Major thesis.

*Exceptions may apply upon the recommendation of the Department Chair to the Dean of TBHC. The Department Chair would be required to provide a justification statement explaining why the proposed committee member should be considered to serve on the thesis committee. The recommendation and justification statement along with a copy of the proposed committee member’s CV should be submitted to the Dean of TBHC for final review and approval.

Optional Committee Members
Students have the option of choosing up to two additional members to serve as part of the thesis committee. It is advised that students consult with their Thesis Chair prior to selecting additional members.

If you have any questions about these requirements, please contact the Director of the Office of Research and Community Engagement at 407-823-0847 or orce@ucf.edu.

The Honors in the Major Handbook that details the procedures for completing this program is available online at http://orce.ucf.edu/honors-in-the-major.

The Burnett Honors College

*Honors in the Major Designated Course numbers:
4903H Directed Readings I (Required 3 Credits)
4904H Directed Reading II (Optional 1 or 3 Credits * repeated for course credit)
3165H Directed Reading I (Required 3 Credits)
4970H Thesis I (Required 3 Credits)
**3165H Thesis I (Required 3 Credits)
4971 THESIS II (Optional 1 or 3 Credits * repeated for course credit)

*To ensure students received credit and recognition as participants in the Honors in the Major Program, students are required to register for Honors in the Major using only the designated course numbers as listed above.

**Designated Directed Readings I course number for Nursing students only during Summer C semester

Burnett Research Scholars
The Burnett Research Scholars Program (BRS) is designed to help students identify and work on research with a faculty mentor in an area of shared interest. The award will assist Faculty-student teams with project funding. In order to be a Burnett Research Scholar, students must submit a research proposal application and be selected as an awardee.

BRS is open to all UCF students with a minimum overall GPA of 3.2. Students will be able to enroll in a zero credit independent research **IDH 4912 Course or variable credit hours in 3905 or 4905 as part of the BRS Program.

*Based on available funds, a limited number of BRS grants will be awarded to students and faculty mentored teams during the fall, spring, and summer semesters.

**Students not enrolled in other coursework when enrolled in ZERO credits for 4912 will be charged for 1 credit hour of tuition plus fees

If you have any questions about BRS or the grants program, please contact the Office of Research and Community Engagement in BHC 102A or by phone at 407-823-0847.

Office of Prestigious Awards
The Office of Prestigious Awards (OPA) provides all UCF students with information and advising for major national and international fellowships and scholarships. OPA serves as the UCF campus representative for all awards requiring university endorsement or nomination, including the Rhodes, Marshall, Fulbright, Goldwater, and Truman scholarships. While OPA is housed within The Burnett Honors College, it serves the entire UCF community.

OPA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards, preparation is both intensive and extensive, and can begin as early as a student’s freshman year. Students who are applying for a prestigious scholarship or fellowship are encouraged to contact OPA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information can visit http://www.opa.honors.ucf.edu or contact OPA by phone at 407-823-4019, by email at OPA@ucf.edu, or by visiting BHC 107A.
The College of Arts and Humanities includes the following departments: English, History, Modern Languages & Literatures, Philosophy, and Writing and Rhetoric. The College houses programs in Africana Studies, American Studies, Asian Studies, Florida Studies, Judaic Studies, Latin American Studies, Middle Eastern Studies, Russian Studies, and Women’s and Gender Studies. The college also oversees the School of Visual Arts and Design, which offers degrees in Art, Architecture, Digital Media and Film, and the School of Performing Arts, which offers degrees in Music and Theatre. In keeping with the goals 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 current 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. 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’s office 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
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 typical. Majors such as English, History, Legal Studies, Philosophy, Political Science, Sociology, and Writing and Rhetoric meet this criterion. The College of Arts and Humanities also offers a Pre-Law in the Humanities minor. The quality of under-graduate 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 in the College of Sciences; emphasis in economics should be gained through advisement in Economics programs in the College of Business Administration; and 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
College of Arts and Humanities Student Advising (CAHSA)
Director: Delia Garcia
CNH 201; 407-823-3312
Email: cahsa@ucf.edu
http://cahsa.cah.ucf.edu

CAHSA is the primary office for undergraduate academic assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting College of Arts and Humanities majors should be addressed via email to cahsa@ucf.edu or to the CAHSA staff by visiting CNH 201. 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 eight area studies programs with an international focus: African, American, Asian, Judaic, Latin American, Middle Eastern, Russian, and Women’s and Gender Studies. 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.

Director: Lyman Brodie
CAH 190; 407-823-2251

African Studies - Contact: Anthony Major; 407-823-0026
American Studies - Contact: Lyman Brodie; 407-823-2251
Asian Studies - Contact: Rita De Luca Guerriero; 407-823-2472
Judaic Studies - Contact: Kenneth Hanson; 407-823-5129
Latin American Studies - Contact: Consuelo Stebbins; 407-823-1173
Middle Eastern Studies - Contact: Hakan Ozoglu; 407-823-2225
Russian Studies - Contact: Alla Kourova; 407-823-2472
Women’s and Gender Studies - Contact: Maria Santana; 407-823-2269

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 of the 200 space places at these centers. Students 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, theater, business, English, history and the social sciences are emphasized. Field trips and museum visits are common to both. For further information, consult the Office of International Studies at 407-882-2300.

Programs, Tracks, and Degrees

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<td>BA, BM, MA, Minor</td>
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<td>Music Education</td>
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<td>Photography</td>
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<td>Writing and Rhetoric</td>
<td>BA, Minor, Certificate</td>
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</tbody>
</table>

Departments and Programs
Africana Studies: Program
Program Director: Anthony Major
CNH 110; 407-823-0026
http://africana.cah.ucf.edu/

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Latin American Studies, Political Science, Psychology, Sociology, Anthropology, Film, Theatre, and the Sciences. The program’s inter-
disciplinary approach emphasizes the artistic and intellectual traditions of African Americans, and is dedicated to developing expertise and knowledge of the black experience in the African Diaspora.

**Degrees:** None  
**Tracks:** None  
**Minors:** Africana Studies

### American Studies: Program

**Contact:** Lyman Brodie  
CAH 190; 407-823-2251

The College of Arts and Humanities offers a minor in American Studies. This program requires students to select relevant electives from Literature, Humanities, Social Sciences and History.

**Degrees:** None  
**Tracks:** None  
**Minors:** American Studies

### Asian Studies: Program

**Contact:** Rita De Luca Guerriero  
CNH523; 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, Modern Languages, History, Humanities, Philosophy, and Political Science).

**Degrees:** None  
**Tracks:** None  
**Minors:** Asian Studies

### Community Arts—PAVE: Program

**Interim Program Director:** Rudy McDaniel  
VAB 117; 407-823-3145

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

**Degrees:** None  
**Tracks:** None  
**Minors:** Community Arts

### Department of English

**Chair:** Trey Philpotts  
CNH 405; 407-823-5596  
Email: english@ucf.edu  
http://www.english.cah.ucf.edu/

**Faculty:** Angley, Applen, Barkevikis, Beck, Campbell, Casmier-Paz, Cato, Dombrowski, Flammia, Glasshoff, Gleyzon, Grajeda, Hasenanat, Hohenleitner, Hubbard, Jardaneh, A. Jones, D. Jones, Kamrath, Lillios, Logan, Mauer, Meehan, Moody, Morton, Murphy, Neal, Nwakama, Philpotts, Poissant, Pugh, Rodriguez-Milanes, Roney, Rushin, Schell, Sommers, Stapp, Stephens, Telep, Thaxton, Trouard, Utchik, Valentine, Young; Professors Emeriti: Adicks, Barnes, Omans, Schiffrin

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

**Degrees:** English (BA, MA), Creative Writing (MFA)  
**Tracks:** Literature, Creative Writing, Technical Communication  
**Minors:** Creative Writing, Digital Humanities, Florida Studies, Literature, Linguistics, Medieval/Renaissance, Pre-Law in the Humanities, Technical Communication

### Department of History

**Interim Chair:** Peter Larson  
CNH 551B; 407-823-2225  
Email: history@ucf.edu  
http://history.cah.ucf.edu/

**Faculty:** Adams, Barton, Beiler, Cassanello, Cheong, Clark, Dandrow, Darty, Duffy, Earley-Spadoni, Farrow, Fernandez, Foster, French, Gannon, Gordon, Head, Larson, Lester, Lyons, Martinez-Fernandez, Murphee, Nair, O’Shea, Ozoglu, Pineda, Sacher, Snyder, Sohns, Solonari, Walker, Walters, Zhang; Faculty Emeriti: Colbourn, Crepeau, Leckie-Reed, Pauley, Shofner

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

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

The Department participates in the programs in Women’s and Gender Studies, American Studies, Africana Studies, Asian Studies, Digital Humanities, Florida Studies, Judaic Studies, Middle Eastern Studies, and Latin American, Caribbean and Latino Studies.

**Degrees:** History (BA, MA, Accelerated MA)  
**Tracks:** None  
**Minors:** Diplomacy, Florida Studies, History, Middle Eastern Studies, Pre-Law in the Humanities, Russian Studies

### Judaic Studies: Program

**Program Director:** Kenneth Hanson  
CNH 415 E-J; 407-823-5539 or 823-5129  
Email: judaics@ucf.edu  
http://www.judaics.cah.ucf.edu

**Faculty:** Hanson, Pelli

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

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

**Degrees:** None  
**Tracks:** None  
**Minors:** Judaic Studies  
**Certificates:** Judaic Studies

### Latin American Studies: Program

**Program Director:** Consuelo Stebbins  
CNH 122; 407-823-1173  
Email: latinamerica@ucf.edu  
http://las.cah.ucf.edu/

The Latin American Studies BA and Minor provide 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 includ-
ing, but not limited to education, government, journalism, foreign
service, social and community service, international trade, and public
relations.

Degrees: Latin American Studies (BA)
Tracks: None
Minors: Latin American Studies

Middle Eastern Studies: Program
Program Director: Hakan Ozoglu
CNH 551; 407-823-2225
Email: hakan@ucf.edu
Advisory Board Co-Chairs: John C. Bersia; Janan Smither
http://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 impor-
tant 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: Geri Smith
CNH 523; 407-823-2472
Email: fflcult@ucf.edu
http://mll.cah.ucf.edu/

Faculty: Alarcon-Negy, Barone, De Luca-Guerriero, Fabery, Farina,
Fernández, Fernández-Rubiera, Fose, Garcia, Giltnner, Giordano,
Izquierdo, Korosy, Kourova, Ledesma, Leticce, Lopez, Ludig,
Mazzucchelli, Mihai, Montalvo, Nalbone, Pomerleau, Prucha,
Purmensky, Redmon, Smith, Sousa, Spina, Stebbins, Tamaki, Tartt,
Trinquet, Villeges, Vitanova-Haran; Professor Emeriti: Barsch, Del-
Río, Micarelli

The Department provides instruction in Arabic, Chinese, French,
Italian, Japanese, Portuguese, Russian, and Spanish, with majors in
French, and Spanish. 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 require-
ments 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), TESOL (MA)
Tracks: None
Minors: Asian Studies, French, Italian, Russian Studies, Spanish
Certificates: Spanish for Health Professionals, Spanish for the Legal
World, TEFL, Translation

Department of Philosophy
Chair: Michael Strawser
PSY 220; 407-823-2273
Email: philosophy2@ucf.edu
http://www.philosophy.cah.ucf.edu/

Faculty: Beever, Cash, DiBernardo, Evans, Favela, Fiore, Flanagan-
Feddon, Garbayo, Gleig, Jones, Kong, Mundale, Park,
Ravela, Schippert, Shrubsole, Stanlick, Strawser, Viao; Faculty
Emeriti: Congdon, Flick, Kassim

The Department of Philosophy offers a Philosophy major, a Religion
and Cultural Studies major, and a Humanities and Cultural Studies
major, as well as minors in Philosophy, Humanities and Cultural
Studies, Religion and Cultural Studies, and Cognitive Sciences. The
Department requires all majors to receive advisement prior to register-
ing 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), Religion and Cultural Studies (BA),
Humanities and Cultural Studies (BA)
Tracks: None

Minors: Cognitive Sciences; Humanities and Cultural Studies;
Philosophy; Pre-Law in the Humanities; Religion and
Cultural Studies

Department of Writing and Rhetoric
Interim Chair: Stephanie Vie
CNH 307I; 407-823-2295
Email: writingandrhetoric@ucf.edu
http://writingandrhetoric.cah.ucf.edu/

Faculty: Barnickel, Bowdon, Breckle, Bryan, Calkins, Cavanagh,
Dees, Edwards, Ethridge, Galbreath, Gardiakos, Guenzel, Hall,
Henken, Hepner, Holic, Jones, Kyle, Lambert, Launier,
Longhany, Martin, PInkert, Pinkerton, Pompos-Mansfield,
Richardson, Ringfield, Rozen, Rousaville, Scott, Short, Stack,
Taylor, Tripp, Vie, Weaver, Wheeler, Wright, Zemlinsky

The Department of Writing and Rhetoric oversees the First-Year
Composition Program and offers certificate and degree programs for
the focused study of writing and rhetoric, including professional digital
and civic writing, the teaching of writing, and the history and theory of
rhetoric, composition, and literacy. Courses in our two undergraduate
and two graduate programs emphasize, in particular, writing as civic
engagement and writing with technologies. The department’s primary
mission is to promote sustained writing opportunities across the uni-
versity, the foundation for which we provide in first-year composition
but which we also achieve through the efforts of the University Writing
Center and Writing Across the Curriculum Program. The department
celebrates student writing in Stylus, a journal for first-year writing, and
the annual Knights Write Showcase.

Degrees: Rhetoric and Composition (MA), Writing and Rhetoric (BA)
Tracks: None
Minors: Pre-Law in the Humanities, Writing and Rhetoric,
Certificates: Public and Professional Writing, Professional Writing
(Graduate certificate)

School of Performing Arts
Interim Director: Steven Chicurel-Stein

Music:
PAC M203; 407-823-2269; Fax: 407-823-3378
Email: ucfmusic@ucf.edu
http://www.music.cah.ucf.edu/

Faculty: Almeida, Anderson, Brodie, Brunner, Dannlesson, Garcia,
Gay, Gennaro, Hoffman, Hunt, Hsu, Jansen, Kizer, Koons, Xu,
Marosi, Miller, Moore, Park, Potter, Ro, Rupert, Scharon, Schreier,
Stephenson, Thornton, Warfield, Weremuch, Wilkinson, Yonetti;
Faculty Emeriti: Pickering, Whisler, Wolf

The Music unit offers a Bachelor of Music degree with options in perfor-
mance, jazz studies, and composition; a Bachelor of Arts Degree
in music; and a Bachelor of Music Education Degree with specializa-
tions 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 ele-
mentary and secondary schools should major in Music Education.
Courses leading to teacher certification are offered cooperatively
with the College of Education and Human Performance. 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, Jazz Studies
Minors: Music, Performing Arts Administration

Theatre:
PAC T210A; 407-823-2862
Email: theatre@ucf.edu
http://www.theatre.cah.ucf.edu/

Faculty: Boyd, Boyle, Brotherton, Brown, Chicurel-Stein, Dagit, Heil,
Helsing, Horn, Ingram, Larontoix, Listengarten, Lynch, McDonald,
Niess, Reed, Rusnoek, Scott, Shafer, Siegfried, Snyder, St. Claire,
Tan, Thomas, Tollefson, Weaver, White, Wood; Professor Emeriti:
Seay, Smith
The Theatre unit 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:** BFA, Acting, Design and Technology, Musical Theatre, Stage Management; MFA, Acting, Theatre for Young Audiences

**Minors:** Dance, Theatre

**School of Visual Arts and Design**

**Interim Director:** Rudy McDaniel

**VAB 117; 407-823-2676**

**Email:** svadadvising@ucf.edu

**http://svad.cah.ucf.edu/**

**Faculty:** Abbas, Abraham, Adams, Aheam, Beckler, Briggs, Burrell, Buyssens, Cameron, Clercx, Colon-Mendoza, Cooper, Croft, Danker, Davila, Dierdorff, Dombrowski, Fanfarelli, Gaudnek, Geppert, Gerstein, Grula, Hadrika, Hall, Haran, Harrington, Harris, Hughes, Ingle, Jones, Kim, Kovach, Lotz, Major, McDaniel, Mills, Mosher, Nolan, Novatnak, Peters, Peterson, Poindexter, Price, Raimundt-Ortiz, Reedy, Reilly, Rivers, Saller, Sandler, Santana, Shbeeb, Shults, E. Smith, P. Smith, Spencer, Stanfill, Starr, Stoeckl, Sullivan, Sung, Theen, Underberg-Goode, Watson, Watters, Wyatt, Zaho; Professor Emeriti: Francis, Frederick, Mosheil

The School of Visual Arts and Design (SVAD) is a combination of the Art, Architecture, Digital Media, and Film programs. Topics covered by SVAD degrees include traditional studio arts, design, and art history; emerging media concepts that are the foundation of animation, game and interactive design; and film programs that develop a student’s creative voice, appreciation and understanding of the medium. Art degrees offer studies in traditional forms of painting, drawing, photography, and ceramics and supply core skills necessary to pursue professional careers in both emerging media and the fine arts. Film degrees explore entrepreneurial filmmaking and the use of new production and distribution technology, as well as film theory, criticism, and history. This curriculum prepares the student for work in the industry or for graduate study. Digital Media degrees explore creative expression through digital media platforms such as video games and the World Wide Web, interactive design and programming, narrative techniques for digital storytelling, and new media business models. Students acquire a highly marketable body of knowledge leading to solid careers in industry or in creative research.

The Art BFA – Emerging Media Track – Character Animation Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term.

The Art BFA – Emerging Media Track – Graphic Design Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term.

The Film BFA is a limited access program that requires an application and creative portfolio and is usually submitted in December each year for admission in the following fall term.

While the Art BA – Studio Track, Art BFA – Studio Track, and Art BFA – Emerging Media Track – Experimental Animation specialization programs are not limited access, many of the required upper-level courses require the completion of a student portfolio that is usually submitted near the beginning of a student’s Junior year.

The Architecture BD program is offered at UCF at the Valencia West Campus.

The Photography BS program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the main UCF Orlando campus as part of the Art BA – Studio Track and Art BFA – Studio Track degree programs.

Complete information about faculty, curriculum, and admission requirements is available on the School of Visual Arts and Design website (see above). Students should pay close attention to program admission requirements and periodically check with School advisors and the SVAD website.

**Degrees:** Architecture (BD), Art (BA, BFA), Digital Media (BA, MA), Emerging Media (MFA), Film (BA, BFA, MFA), Photography (BS)

**Tracks:** Art History, Cinema Studies, Emerging Media, Game Design, Studio Art, Visual Arts and Emerging Media Management, Web Design

**Minors:** Art History, Community Arts – PAVE, Digital Media, Film-Cinema Studies, Studio Art

**Women’s and Gender Studies: Program**

**Program Director:** M.C. Santana

**CNH 122; 407-823-6502**

**Email:** womenst@ucf.edu

**http://wgst.cah.ucf.edu/**

**Faculty:** Bubriski, Preston-Sidler, Santana

The Women’s and Gender Studies program offers an interdisciplinary minor and a certificate in Women’s and Gender 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:** Transnational Gender, Race, and Sexuality Studies Track in Interdisciplinary Studies

**Minors:** Women’s and Gender Studies

**Certificate:** Gender Studies

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Business Administration

Dean: Paul Jarley
BA1 230; 407-823-2181
http://business.ucf.edu

Associate Dean: Foard Jones
BA1 230; 407-823-2181

Associate Dean: E. Taylor Ellis
BA2 302-J; 407-823-2187

Assistant Dean: Darrell Johnson
BA2 101; 407-823-3493

Vision

#UCFBusiness will continue the transformation into a next-generation business school through the development of a unique college culture; one that promotes engagement, risk-taking, cross-disciplinary collaboration and data-driven decision making.

Moving Forward

While core business curriculum remains unchanged, the world of business is constantly changing, as is the way students learn and receive information.

The foundation of the College of Business Administration’s mission and vision are to strengthen the college, the university, and ultimately, the Central Florida community. This is achieved by focusing on critical factors in higher education: students, faculty, programs and facilities. As such, the college aspires to:

- Offer the benefits of a large, metropolitan research university while providing individual attention and maintaining a sense of community for our students and faculty.
- Create a state-of-the-art educational facility that cultivates a learning environment, promoting collaboration, engagement, risk taking and data-driven decision making.
- Provide increased opportunities for student engagement and one-on-one learning.
- Cultivate an ecosystem that develops entrepreneurs from all backgrounds and skill sets.
- Raise the academic profile of the college by recruiting research faculty in key disciplines and by incorporating top industry executives into the curriculum.

The college will elevate the career prospects of students as well as the perceptions of graduates in the community, by ensuring students are career-ready upon graduation by providing experiential learning and developmental feedback. In addition, the college strongly encourages students to explore possible careers through mentoring, summer employment and job shadowing.

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

Pre-Major

Admission to the University of Central Florida does not equate to admission to the College of Business Administration (CBA). The CBA is a selective admission college. Students must qualify to be admitted into the college and therefore all students enter the university as a ‘pre’ business major. This applies regardless of the specific business major a student intends to pursue. As a ‘pre’ major, students will:

1. Complete the General Education Program
2. Complete the Gordon Rule requirements
3. Complete the Business Common Program Prerequisites (CPP) with a grade of C or better. The CPP classes are:
   - MAC 1105: College Algebra
   - ACG 2021: Financial Accounting
   - ACG 2071: Managerial Accounting
   - ECO 2013: Macroeconomics
   - ECO 2023: Microeconomics
   - ECO 3401: Quantitative Business Tools I, or STA 2023 Statistics and MAC 2233 Concepts of Calculus
   - CGS 2100: Computer Fundamentals for Business
4. Complete the Primary Business Core at UCF or an AACSB accredited institution. The Primary Business Core classes are:
   - MAN 3025: Management of Organizations
   - MAR 3023: Marketing
   - FIN 3403: Finance
   - ECO 3411: Quantitative Business Tools II
   - ACG 3173: Accounting for Decision Makers
   Or if Pre-accounting
5. Complete GEB 3003: Career Research and Planning

The Business Common Program Prerequisites are required curriculum for all students within the Florida State University system pursuing a BSBA degree.

The Primary Business Core classes are the heart of the business world. As such they provide students with the basics to be successful
in any business endeavor. It is important that students strive to thor-
oughly learn the material in this coursework as academic performance in the 
Primary Business Core is used to meet admission to the major 
standards.

The GEB 3003 Career Research and Planning course is designed to help
students align their major and career interest. In this course, students take self-assessments to identify career-related skills and interests. Based on their results, students perform research to iden-
tify and learn about a target career, target company(ies), and target 
entry-level jobs.

All of the above requirements (numbers 1-5) must be completed 
before beginning any Business Major.

How to Select Your Major

Now you are ready to select a business major based upon your 
interests and skills identified in the GEB 3003 class, and your 
experiences in all of the Primary Business Core classes.

Due to the highly specialized nature of the revised Accounting, 
Finance, Management, and Marketing majors, interested candidates 
must show mastery of the subject matter in all aspects of the Primary 
Business Core, as demonstrated by a 3.0 GPA in the five classes. 
Additionally, a grade of at least a B- "3.0" is required in the intro-
ductive course of your desired major and a minimum grade of C- "2.0" 
is required in all Primary Core courses. Upon admission into the 
Accounting, Finance, Management, and Marketing majors, students 
must maintain a minimum 2.75 GPA in the Major and a minimum 2.0 
GPA in the College to successfully complete the degree.

Admission to the Economics, Integrated Business, and Real Estate 
majors requires completion of the five Primary Business Core classes 
with a minimum GPA of 2.0, and a minimum grade of C- "2.0" in the 
introductory course of the desired major. Upon admission into the 
Economics, Integrated Business, and Real Estate majors, students 
must maintain a minimum 2.0 GPA in the Major and College to suc-
cessfully complete the degree. For more information on these require-
ments, visit: http://business.ucf.edu/undergraduate-programs/.

After receiving admission to a major, students will complete major 
coursework, the Secondary Business Core and the remaining three 
courses in the Professional Development Sequence.

1. The Secondary Business Core: These courses are designed to 
ensure that you have a solid understanding of the various 
functions of business and the environment in which the enter-
prise operates. The Secondary Business Core culminates with our 
"Great Case Competition" which is part of our Strategic 
Management Course (MAN 4720) and has become a signature 
experience for all business students:
   a. GEB 3375: Introduction to International Business
      (3 credit hours)
   b. BUL 3130: The Legal and Ethical Environments of Business
      (3 credit hours)
   c. MAR 3203: Supply Chain Management
      (3 credit hours)
   d. MAN 4720: Strategic Management/Capstone
      (3 credit hours)

2. Introduction to Career Development and Financial Planning:
   The course provides the opportunity to learn and develop personal 
   skills in career and financial management to successfully navigate 
go-ing work and life challenges. Students are given the opportunity to apply career and financial management principles to make appropriate, timely and financially responsible choices with respect to majors/programs of study, progress through the 
curriculum, and post-graduation options.
   a. GEB 3XXX (2 credit hours)

3. The Professional Development Sequence: Students must also 
   complete the professional development sequence that begins with 
   GEB 3003. The goal of the Professional Development curriculum is 
   that students will research potential career opportunities and 
take steps to secure employment prior to graduation.
   a. GEB 3005 Career Search Strategies
   b. GEB 4223 Business Interviewing Techniques
   c. GEB 4004 Executing Your Career Plan

Student Load
A student who is enrolled in 15 – 16 credit hours of course work is con-
sidered to be carrying a normal academic load. Per University policy, 
students may take a maximum of 17 credit hours in the Fall and Spring 
terms, and 14 credit hours in the Summer term.

Community/Junior College Transfer Notes
1. Admission requirements can and do vary among the business and 
accounting programs at the ten universities comprising the State 
University System. To ensure that they have met all prerequisite 
course eligibility requirements, transfer students from Florida's 
community and State colleges should complete the following 
common program prerequisites as part of their Associate of Arts 
degree: ACG 2021 (or ACG 2001 and ACG 2011), ACG 2071, 
MAC 2223, STA 2023, (or QMB 2100) and 
STA 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 with a minimum grade of C- "2.0" or better 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 to the Primary Core Classes.

2. Subject to the general grade and residency 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. It is expected that all incoming transfer students, regardless of 
intended business major, will upon admission to the university 
have successfully completed the General Education Program and 
the Business Common Program prerequisites. Transfer students 
will attend an orientation session that will provide information 
regarding university and college policy, program requirements, 
and college culture.

4. Courses taken at Florida College System institutions do not sub-
stitute for upper division courses.

5. Courses transferred must be formally evaluated for equivalency 
credit. General Education coursework is evaluated for equivalency 
by Academic Services, while the Business Common Program 
Prerequisites and all business coursework is evaluated for equiva-

cency by the College. The student must provide a course syllabus 
and any other supporting information with his/her petition for this 
evaluation.

6. The Business Primary Core courses must be taken at UCF or an 
AACSB accredited institution. Additionally, professional courses, 
in the areas of Accounting, Economics, Management, Marketing, 
Real Estate, or Finance, should not be taken at a community/ 
junior college. These professional areas are third and fourth year 
course areas in the College of Business Administration and can-
not be satisfied with community/state college courses.

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

Advisement
Office of Professional Development
Assistant Dean: Darrell Johnson
BA2101; 407-823-3493

The Office of Professional Development (OPD) is the primary office 
for undergraduate assistance in Academic and Career Counseling 
in the College of Business Administration. Any questions concerning 
University and College academic policies affecting Business majors 
should be directed to the Office of Professional Development staff 
in BA2 101 or by calling 407-823-2185. Visit OPD’s home page at: 
http://business.ucf.edu/centers-institutes/office-of-professional-devel-
optment/.

Programs and Degrees

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UNIVERSITY OF CENTRAL FLORIDA

87 Undergraduate Catalog 2017-2018
Departments and Programs
Kenneth G. Dixon School of Accounting

Director: G. Trompeter
BA1 325D; 407-823-2871

Assistant Chair: J. Reinking
BA1 430; 407-823-4874

Assistant to Director: M. Hampton
BA1 326; 407-823-5678

Faculty: Allen, Arnold, Baudot, Demek, Dennis, Durham, Goldwater, Guerra-Pujol, Hampton, Hornik, Johnson, Kellihier, Poziemske, Reinking, Robb, Roberts, Rosenthal, Roush, Smith, Sutton, Tian, Trompeter, Wallace, York

Mission Statement
The mission of the Kenneth G. Dixon School of Accounting is to develop and deliver strong undergraduate and graduate programs, support and produce nationally and internationally relevant accounting research, and engage meaningfully with the academic and practitioner accounting communities.

Distinctive Benefits
- Strong industry ties allowing for unique opportunities for placement and advancement.
- A competitive internship program that places graduate students in positions with major employers in the community.
- The opportunity to enroll in outstanding graduate programs in accounting and taxation.
- A very strong faculty known for their teaching and research excellence.
- Numerous 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 our accounting programs.
- Outstanding pass rates on the CPA exam.

Degrees: Accounting (BSBA, MSA, Ph.D.)
Minors: Accounting (for Finance majors only)

Department of Economics
Chair: Mark Dickie
BA2 305-D; 407-823-3266;
Email: economics@ucf.edu

Faculty: Alpanda, Aysun, Braun, Caputo, Das, Dickie, Gibbs, Guild, Hoffer, Milon, Paarsch, Schmidtauer, Scrogin, Underwood

Faculty Advisors:
David Scrogin
BA2 302U, 407-823-4129, Email: David.Scrogin@ucf.edu;

Economic issues are prominent in business and government decision-making. Inflation, employment, health care, economic growth, pollution, poverty, and international economic relations are a few important economic issues. The primary strength of Economics is that it provides a logical, ordered way of analyzing a wide variety of problems. Undergraduate education in Economics equips individuals to understand and seek solutions to problems in business, public policy, and other areas.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BS 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 BS Program is to provide a broad-based liberal education 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 provide the analytical skills that will allow solve problems.

Distinctive Benefits
- Opportunity for strong quantitative and analytical training.
- Excellent preparation for law school and graduate school admission.
- Strong preparation for high-paying careers.
- Flexible Curriculum: Students tailor the program to their individual interests through a large selection of 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.
- Student Organizations: The Economics Club is an active student organization linking students to Alumni.

Degrees: Business Economics (BSBA), Economics (BS)
Minors: Economics

Department of Finance and Dr. P. Phillips School of Real Estate
Chair and Director: A. Singh
BA1 427; 407-823-5756

Assistant Chair and Assistant Director: P. Gregg
BA1 409; 407-823-3575

Faculty: Ajayi, Byrd, Chen, Choi, Curcio, Fye, Gatchev, Gregg, Harris, Harrison, Kulu, Lu, Oh, Ramanial, Resch, Singh, Sturm, Turnbull, Wang, Whyte, Zhang

The program in finance is designed to provide the student with broad knowledge in finance, including corporate finance, investments (fixed income and equity securities), financial institutions, international finance, risk management and derivatives. The real estate degree includes real estate law, commercial and residential real estate finance, and real estate development.

Distinctive Benefits
- Finance students prepare for career opportunities in corporate finance, banking (commercial, investment and mortgage), investment management, financial planning, multinational business, insurance and government.
- Real estate students prepare for careers in commercial or residential real estate development and finance, or banking related to the real estate industry.
- Students who major in finance or real estate are sought by both financial and non-financial firms.

Degrees: Finance (BSBA), Real Estate (BSBA)
Minors: International Business, Real Estate, Finance
Certificates: Banking, Investments, Corporate Finance, Land Development, Commercial and Institutional Real Estate, Residential Real Estate

Department of Management
Interim Chair: Ronald Piccolo
BA 309; 407-823-5669

Assistant Chair: Lynn Becker
BA1 309D; 407-823-3021

Faculty: Ambrose, Becker, Bennett, Blencke, Cleaverenger, Combs, Crossley, De George, Folger, Ford, Goodman, Harris, Jarley, Jones, Joseph, Kenny, Nicholas, O’Donnell, O’Neal, Pape, Piccolo, Porter, Quinn, Rockmore, Schminke, Taylor, Wang, Whiting

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 to develop the expertise of all students in a common core of essential management skills and competencies, including human and organizational behavior, teamwork and collaboration, negotiation and conflict resolution, and leadership development. With the proper selection of restricted elective courses available for management majors, students can gain additional concentration in the area of human resource management, or in the area of entrepreneurship. Students who do not wish to concentrate in these areas can use those restricted electives to gain additional breadth of coverage in a variety of Management topics.

The department’s goal is to emphasize the expertise, knowledge, and skills necessary to be not only a team player, but ideally a team leader. Regardless of a student’s focus, the curriculum will sharpen that student’s skills in problem identification, analysis, and solution. This major can lead to a variety of rewarding careers in management positions throughout the organization. Possible career paths include, but are not limited to, positions in training and development, person-
nel and employee relations, equal opportunity and labor relations, recruiting and staffing, organizational development, operations, quality assurance, project management. For students interested in starting their own business or working for smaller fast growing organizations, the department’s entrepreneurship offerings will develop the skills needed for that career path.

**Distinctive Benefits**

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

**Degrees:** Management (BSBA), Human Resources Management (MS)

**Minors:** Entrepreneurship, Technological Entrepreneurship

**Certificate:** Entrepreneurship

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**Department of Marketing**

Chair: Ronald E. Michaels  
BA2 307; 407-823-2108  
http://www.bus.ucf.edu/marketing/

Faculty: Bhardwaj, Desiraju, Hasford, He, Jami, Joshi, Keebler, Krishnamoorthy, Liu, Massiah, Mayfield-Garcia, Michaels, Steiger, Stock, Wang, Yayla-Kailu, Zemack-Rugar

The marketing major provides a superior education in foundation areas such as research, consumer behavior, professional selling, marketing management, and strategy. Our curriculum focuses on building skills in communication, teamwork, critical thinking, analysis, and strategic thinking. Among the things you will learn are how to conduct sales calls, analyze sales and profit reports, prepare marketing plans, and construct marketing strategies. Students interested in majoring in marketing have two options: the marketing management track or the professional selling track. The marketing management track provides students with the knowledge and skills necessary to excel in entry-level positions in marketing management, product/brand management, and positions in retail management, sales, market research, and advertising/promotion. The professional selling track prepares students for positions in business-to-business, with the potential to advance into either sales management or marketing management. The curriculum is delivered by highly-talented faculty members and offers you a superior educational experience while at UCF.

The department’s highest visibility offering is the professional selling program (track within the major). Admission to this renowned program is competitive; application and interview are required. Scholarships for this program are available and awarded on a competitive basis. Please see our department website for more details. An 18-hour professional selling minor is available for UCF students with majors other than marketing. Again, entry into this minor is competitive.

The regular 18-hour marketing minor provides a strong basic education in marketing for UCF students with majors other than marketing. Earning a minor in marketing can add significant value and career flexibility for any UCF student with any major. Marketing internships are available (application necessary) and there are several vibrant marketing-related student organizations in which you can participate.

**Distinctive Benefits**

- Innovative curriculum for marketing majors and minors.
- Renowned Professional Selling Program is offered as a track within the marketing major, and as a professional selling minor; application required.
- An 18-hour marketing minor is available for students with majors other than marketing.
- Seventeen dynamic faculty members are among the strongest teachers in the college.
- Comprehensive course offerings are available each semester and summer—you can finish!
- Strong emphasis on preparing students for careers in marketing management.
- Approximately 15 scholarships are awarded annually on a competitive basis.
- Opportunities to participate in internships and honors in the major programs.

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**Integrated Business Program**

Director: J. Gilkeson  
BA2 222; 407-823-0390

Faculty: Baz, Buhagiar, Connell, Craighead, Creque, Gilkeson, Henry, Leo, Morin, Tamborelli, Valdez, Viggiano, Washick

The mission of the Integrated Business degree program is to provide a high quality, hands-on business education for UCF students that emphasizes soft-skills development, has a content focus on small and medium size, privately held businesses, and develops well-rounded multi-disciplinarians who will thrive in an environment that requires them to take on multiple roles and responsibilities for their employer.

**Distinctive Benefits**

- Unique program found only at UCF.
- Up-to-date source material that replaces most textbooks with free online content.
- Use of the flipped classroom approach in all course work.
- Emphasis on soft skills development, including business ethics, critical thinking, decision making, leadership, negotiations, oral presentation professionalism, teamwork, technology, and written communication.
- Taught face-to-face on main campus and four regional campuses (Valencia West, Sanford-Lake Mary, Osceola, and Brevard)—avoid expensive, time consuming commutes!
- Focus on the small and medium size, privately held firms who hire 40% of UCF’s business graduates.
- Integrated Business Faculty members have decades of real world work and business ownership experience.
- Opportunities to participate in internships, student competitions, and student organizations.

**Degrees:** Integrated Business (BSBA)

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://oeas.ucf.edu/academiclearningcompacts.html

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**Integrated Business (BA) Program**

Chair: Ronald E. Michaels  
BA2 307; 407-823-2108

Faculty: Bhardwaj, Desiraju, Hasford, He, Jami, Joshi, Keebler, Krishnamoorthy, Liu, Massiah, Mayfield-Garcia, Michaels, Steiger, Stock, Wang, Yayla-Kailu, Zemack-Rugar

The marketing major provides a superior education in foundation areas such as research, consumer behavior, professional selling, marketing management, and strategy. Our curriculum focuses on building skills in communication, teamwork, critical thinking, analysis, and strategic thinking. Among the things you will learn are how to conduct sales calls, analyze sales and profit reports, prepare marketing plans, and construct marketing strategies. Students interested in majoring in marketing have two options: the marketing management track or the professional selling track. The marketing management track provides students with the knowledge and skills necessary to excel in entry-level positions in marketing management, product/brand management, and positions in retail management, sales, market research, and advertising/promotion. The professional selling track prepares students for positions in business-to-business, with the potential to advance into either sales management or marketing management. The curriculum is delivered by highly-talented faculty members and offers you a superior educational experience while at UCF.

The department’s highest visibility offering is the professional selling program (track within the major). Admission to this renowned program is competitive; application and interview are required. Scholarships for this program are available and awarded on a competitive basis. Please see our department website for more details. An 18-hour professional selling minor is available for UCF students with majors other than marketing. Again, entry into this minor is competitive.

The regular 18-hour marketing minor provides a strong basic education in marketing for UCF students with majors other than marketing. Earning a minor in marketing can add significant value and career flexibility for any UCF student with any major. Marketing internships are available (application necessary) and there are several vibrant marketing-related student organizations in which you can participate.

**Distinctive Benefits**

- Innovative curriculum for marketing majors and minors.
- Renowned Professional Selling Program is offered as a track within the marketing major, and as a professional selling minor; application required.
- An 18-hour marketing minor is available for students with majors other than marketing.
- Seventeen dynamic faculty members are among the strongest teachers in the college.
- Comprehensive course offerings are available each semester and summer—you can finish!
- Strong emphasis on preparing students for careers in marketing management.
- Approximately 15 scholarships are awarded annually on a competitive basis.
- Opportunities to participate in internships and honors in the major programs.
The role of the College of Education and Human Performance at the undergraduate level is to provide a high-quality education for teacher candidates in preparation for careers in early childhood, elementary, exceptional student education, secondary/K-12, technical education and industry training and students in sport and exercise science professions. The College of Education and Human Performance is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education and Human Performance is the leading source of education baccalaureate degrees in the State of Florida.

- Art Education
- Early Childhood Development and Education
- Elementary Education
- English Language Arts Education
- Exceptional Student Education
- Mathematics Education
- Physical Education
- Science Education
- Social Science Education
- Sport and Exercise Science
- Technical Education and Industry Training
- World Languages Education

Success to Significance
- Among America’s Best Colleges of Education
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State program approval and National Accreditation
- Proven and promising practices
- Partnerships with seventeen Central Florida school districts, including the Florida Virtual School
- 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, such as TeachLivE
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Teaching Academy
- Toni Jennings Exceptional Education Institute
- Morgridge International Reading Center
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Living, Learning Communities
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Teacher Recruitment and Retention Program
- Early and continuous field experiences
- Internships with highly qualified teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Florida Marriage and Family Research Institute
- ESOL Endorsement and Reading Endorsement included with selected teacher preparation programs
- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)
- Institute of Exercise Performance and Wellness
- Ph.D. in Exercise Physiology ranked 6th in the nation by the National Academy of Kinesiology
- Undergraduate research opportunities

Admission to the College of Education and Human Performance

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 College System institution or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Development and Education.
- Pass all four parts of the General Knowledge Test (GKT). It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year. All teacher preparation programs require the GKT.
- Complete the Education and Human Performance Common Program Prerequisites for their major.
- Complete State University Foreign Language Admission requirement: 2 years in high school or 1 year in college of the same foreign language or American Sign Language.
- Complete Gordon Rule Requirement.
- Complete a change of major request to move from education pending to the intended education major upon successful completion of admission requirements.
1. Set up an appointment with their academic advisor

Continuing students will:

1. Be classified as education pending until admission requirements are met and a change of major has been submitted.
2. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education and Human Performance 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
3. Be advised by the College of Education and Human Performance Undergraduate Advising Office (ED 110) if their major is Elementary Education or Education Pending. Advising sessions may be scheduled by calling 407-823-3723.
4. Be assigned to an academic advisor in the area of their major upon completion of College of Education and Human Performance admission requirements. The advisor’s name and email address appear in myUCF to assist students in making an advising appointment.
5. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education and Human Performance based on program requirements.

Continuing students will:

1. Set up an appointment with their academic advisor upon acceptance to their major, or the Undergraduate Advising Office 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 their Degree Audits through myUCF;
3. Register at scheduled appointment times 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 Undergraduate Affairs
ED 110, 407-823-3723
http://education.ucf.edu

Located in the Education Complex in Suite 110, the Office of Undergraduate Affairs comprises Undergraduate Affairs, Undergraduate Advising and Recruitment & Retention.

Mission Statement
The mission of the Office of Undergraduate Affairs is to promote student development and success through collaboration with College of Education and Human Performance faculty, staff, administrators and partners.

Clinical Experiences
Director: Elizabeth Hoffman
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 site-based experiences, as well as internships. Placement of students is the responsibility of the College of Education and Human Performance’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education and Human Performance’s local partnership districts.

Students must be aware that criminal records may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements.

All applications for internships are accessed at the Clinical Experiences website and are approved by the Office of Clinical Experiences. Once applications are approved by the Office of Clinical Experiences, students must register themselves for the internship course and prerequisites (if applicable).

Application deadlines for all Internships are:

- February 15 for Fall semester
- September 15 for Spring semester

Internship I
Internship I is a three semester hour experience. Students are assigned to work with state-defined, qualified supervising teachers. Students are enrolled in additional courses during the experience, outlined in the program listing of the catalog. Additional courses may be taken only with the consent of the academic program coordinator and department chair. The Internship I experience is completed locally and is arranged by the Office of Clinical Experiences.

Admission to Internship I
Admission to Internship I will be granted to students who have been admitted to the College of Education and Human Performance 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 the published deadlines.
- Meet any special departmental or program requirements
- Be recommended by the faculty of the department of the student’s major.

NOTE: Passing scores on all sections [General Knowledge Test, Professional, and Subject Area] of the Florida Teacher Certification Examination (FTCE) is required prior to entry into Internship II.

Internship II
Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program. Internship II is a 9-12 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 sections [General Knowledge Test, Professional and Subject Area]
- Possess a minimum overall GPA of 2.5
- 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 GPA of 2.75 is required in the professional, specialization and overall for Early Childhood Development and 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

The Internship II experience is completed locally and is arranged by the Office of Clinical Experiences in schools and districts where there are available placements.

*Some programs may specify a different GPA requirement for admission
College of Education and Human Performance

Recruitment and Retention Program
Coordinator: Caroline Pratt Marrett
ED 110; 407-823-4409
http://education.ucf.edu/mtrp/

Minority Teacher Recruitment and Retention Program (MTRRP)
The Minority Teacher Recruitment and Retention Program (MTRRP) is designed to recruit and retain diverse students as they prepare for a teaching career in education. MTRRP provides future educators with financial assistance, academic support, and professional development. Each student admitted into the program is paired with a faculty/staff mentor in the college.

Program Objectives
- Recruit and retain diverse students interested in joining the teaching profession
- Promote academic excellence and foster professional development
- Provide service learning opportunities
- Encourage community engagement

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 and Human Performance as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application by the deadline
- Complete 20 hours of community service for each semester the scholarship is received

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

Undergraduate Advising
Director, Undergraduate Affairs: Andrea Small
ED 110, 407-823-3723

The Undergraduate Advising office assists students with orientation, registration information, general academic advisement, college and university academic requirements and graduation certification. Students are encouraged to make an early appointment with an academic advisor. 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 appointments and advising sessions. Information regarding majors offered by the College of Education and Human Performance can be obtained in the Office of Undergraduate Affairs or at http://education.ucf.edu/ugrad/. Admission to the University of Central Florida does not imply admission to the College of Education and Human Performance. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education and Human Performance after they have been admitted to the College.

Graduation Requirements
To qualify for graduation, a student must successfully complete all coursework to include a minimum overall GPA of 2.5, a minimum 2.5 GPA in all specialization courses, and a minimum 2.5 GPA in professional preparation courses. A minimum GPA of 2.75 is required in the professional, specialization and overall for Early Childhood Development and Education. 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.

Note: Effective January 1, 2015, only FTCE examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

Professional Development School Consortium
The Professional Development School Consortium is a network of the university and local schools, and is based on the National Association for Professional Development School standards. National, award-winning PDS school efforts demonstrate impact on pre-service and in-service initiatives.

Department of Child, Family, and Community Sciences
Chair: Glenn Lambie
ED 209-E; 407-823-6106
Faculty/Academic Administrator: Brenda Thompson
ED 206-E; 407-823-6579

The Department of Child, Family, and Community Sciences (CFCS) offers both undergraduate and graduate programs related to careers in school settings and community agencies. The programs offer academic research, measurement and statistics, Instructional Design and Technology and Sport and Exercise Science. The Sport and Exercise Science program also offers a Ph.D. in Exercise Physiology.

School of Teaching, Learning and Leadership
Director: Michael Hynes
ED 209-D; 407-823-1763
http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership

Academic Coordinators:
- Maria Cox; ED 206-D; 407-823-1763
- Lindsay Archambault; ED 206-F; 407-823-2881
- Melissa Feyer; ED 209-F; 407-823-0303


The School of Teaching, Learning and Leadership prepares candidates to work in a variety of school and community settings, in the areas of Elementary Education, Secondary Education and Educational Leadership. The Elementary Education program has a track desgined for prospective teachers interested in working with students in formal K-6 schools that require certification (Education Track) and another track for students interested in working outside of formal K-6 schools that do not require certification (Lifelong Learning Track).
College of Education and Human Performance

Upon completion of the Elementary Education – Education Track, candidates are eligible for Florida teacher certification, including ESOL and Reading Endorsements. Secondary Education programs are designed for prospective teachers interested in working with students in a specific content area, either in formal 6-12 schools that require certification (Education Track) or outside formal K-12 schools that do not require certification (Lifelong Learning Track). Preparation includes special training in Biology, Chemistry, English (with ESOL Endorsement), Mathematics, Physics, or Social Science Education. Programs are available in Teacher Education K-12 areas, such as Art Education, Physical Education, Reading Education, and World Language Education (Spanish). The Educational Leadership master's programs provide the theoretical and conceptual knowledge base required for the principalship in Florida and other states. Ed.S. and Ed.D. students have advanced academic and practical experiences preparing them for leadership roles at the school district level, including the superintendence.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education and Human Performance are located at: http://oeas.ucf.edu/academiclearningcompacts.html
Our college is able to attract students who are remarkably bright and talented. They come to our college to learn and become the technological leaders of tomorrow. Our Engineering and Computer Science faculty are some of the best and brightest that one can find anywhere. They share with our students the excitement of discovery and creative research as they teach the problem solving and leadership skills that prepare our students to be productive members of society.

College Organization

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of six engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Computer Science (CS) Department, the Electrical and Computer Engineering (ECE) Department, the Industrial Engineering and Management Systems (IEMS) Department, Material Sciences and Engineering (MSE) Department, and the Mechanical and Aerospace Engineering (MAE) Department. The ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All departments of the Engineering and Computer Science Division offer advanced studies leading to master’s degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org. The Computer Science and Information Technology programs are accredited by the Computing Accreditation Commission of ABET, http://www.abet.org.

The College houses the ROTC Division for those students desiring to pursue military training while earning their degree. The AFROTC program offers a minor in Aerospace Studies, and the AROTC program offers a minor in Military Science.

The Honors Program in the College of Engineering and Computer Science

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering and computer science majors an enriched educational, technical, professional, and cultural experience that significantly augments the basic curricula. Honors students comprise academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

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

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

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and 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. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4939H) (three credit hours) and 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 3.50 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation.

Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult Dr. Charles Reilly, Engineering 1, Room 107. For more information about The Burnett Honors College programs, please visit their homepage at http://www.honors.ucf.edu.

The LEAD Scholars Program in the College of Engineering and Computer Science

Engineering and computer science students may also participate in the LEAD (Leadership Enrichment and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering and Computer Science Programs

Information on each UCF engineering, computer science, and information technology program follows, and more current information on the departments can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog. Information on the Photonics Science and Engineering program offered jointly with the College of Optics and Photonics may be found in the section about that college.

Department of Civil, Environmental, and Construction Engineering

Chair: Mohamed Abdel-Aty
ENG2 211; 407-823-2841
http://www.cece.ucf.edu


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

The Civil Engineering Program

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

Mission

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

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

Program Educational Objectives

Within the first several years following graduation, graduates should:

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

Student Outcomes

- An ability to apply knowledge of mathematics, science, and engineering.
- An ability to design and conduct experiments, as well as to analyze and interpret data.
- 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.
- An ability to function on multidisciplinary teams.
- An ability to identify, formulate, and solve engineering problems.
- An understanding of professional and ethical responsibility.
- An ability to communicate effectively.
- The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
- A recognition of the need for, and an ability to engage in life-long learning.
- A knowledge of contemporary issues.
- An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The Environmental Engineering Program

The Environmental Engineering major is concerned primarily with the interactions with humans and their environment and the planning, design, and control of systems for environmental quality management for water, land, and air environments.
Environmental Engineering students are required to take a Project Design and Capstone Course which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

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

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

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

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

**Student Outcomes**

a. An ability to apply knowledge of mathematics, science, and engineering.

b. An ability to design and conduct experiments, as well as analyze and interpret data.

c. 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, manufacture-ability, and sustainability.

d. An ability to function on multidisciplinary teams.

e. An ability to identify, formulate, and solve engineering problems.

f. An understanding of professional and ethical responsibility.

g. An ability to communicate effectively.

h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

i. A recognition of the need for, and an ability to engage in life-long learning.

j. A knowledge of contemporary issues.

k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

**The Construction Engineering Program**
The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course which 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 Educational Objectives**
Within the first several years following graduation, graduates should:

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

**Student Outcomes**

a. An ability to apply knowledge of mathematics, science, and engineering.

b. An ability to design and conduct experiments, as well as to analyze and interpret data.

c. 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, manufacture-ability, and sustainability.

d. An ability to function on multidisciplinary teams.

e. An ability to identify, formulate, and solve engineering problems.

f. An understanding of professional and ethical responsibility.

g. An ability to communicate effectively.

h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

i. A recognition of the need for, and an ability to engage in life-long learning.

j. A knowledge of contemporary issues.

k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

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, Environmental, and Construction Engineering programs can be found on the CECE Department home page at [http://www.cece.ucf.edu](http://www.cece.ucf.edu).

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

- The student shall meet all individual requirements for each degree.
- The coursework must include two different design courses, one from each program, plus the capstone design course.
- Completion of requirements for both degrees must be in the same semester.
- The same catalog year must be used for both degrees.
- The student must have a minimum of 150 credit hours. Any credit hours taken beyond the degree requirements for both degrees (to satisfy the 150 credit hour minimum) must come from the approved technical electives list for the additional degree.

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

**Civil Engineering Major Pursuing Environmental Engineering Additional Degree**
Students will need to complete a minimum of 150 credit hours which will include the 24 additional hours to earn a Bachelor of Science Environmental Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: A Biological Science (3hrs), CHM 2046C (3hrs), CHM 2046L (1hr), ENV 4120 (3hrs), ENV 4341 (3hrs), EES 4202C (4hrs), EES 4111C (4hrs), and an Environmental Design course (3hrs). Students will have completed an Earth Science as part of the GEP requirements and CHM 2045C, EGN 3343, CWR 4120 or CWR 4124, ENV 4531, and ENV 4561 as part of Civil Engineering requirements.
The Computer Science Program

The Computer Science (CS) 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 to the bachelor's degree programs, the department offers minors in Computer Science, Information Technology, and Secure Computing and Networks.

The goal of the CS degree program is to educate students to become effective team members and leaders, to have excellent communication and technical skills, and to prepare them for successful professional careers and advanced research. The program strives to these goals by producing graduates with a broad base of formal course work. Students may use restricted elective credit to concentrate their degree in one of many research areas, including artificial intelligence, bioinformatics and systems biology, computer architecture, computer graphics, computer security, computer vision, database systems, design and analysis of algorithms, distributed and cloud computing, evolutionary computing, graph theory, human-computer interaction, image and video processing, machine learning, mixed and virtual reality, multi-agent systems, networking and mobile computing, neural networks, operating systems, parallel computation, software engineering, theory of computing, and quantum computing. There is a comprehensive design experience at the end of the program.

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 grants and startup funds. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the Computer Science home page at http://www.cs.ucf.edu/.

Mission

The mission of the Computer Science program is to educate majors in the principles and practices of computer science, preparing them for graduate school, for careers in software development and operating systems technology, and for a lifetime of learning.

Program Educational Objectives

1. CS graduates participate as effective and productive team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications in their chosen careers.
2. CS graduates demonstrate the knowledge and skills to do advance studies and research in computer science and related engineering and scientific disciplines.

Student Outcomes

All graduating CS majors shall:

a. Demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.

The Information Technology Program

The Information Technology (IT) program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer software, hardware, 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 students to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in programming, technical writing, ethics in science and technology, human technology interaction, IT system integration, enterprise computing, and web-based IT will prepare these students to communicate in the parlance of the industries in which they choose to work.

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.

Program Educational Objectives

The objectives of the Information Technology Program at UCF are that:

1. Graduates demonstrate the technical competence necessary for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.
2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.
College of Engineering and Computer Science

3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.

Student Outcomes
By graduation each student should be able to:

a. Apply knowledge of computing and mathematics appropriate to the discipline.

b. Analyze a problem, and identify and define the computing requirements appropriate to its solution.

c. Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.

d. Function effectively on teams to accomplish a common goal.

e. Understand professional, ethical, legal, security and social issues and responsibilities.

f. Communicate effectively with a range of audiences.

g. Analyze the local and global impact of computing on individuals, organizations, and society.

h. Recognize the need for, and an ability to engage in continuing professional development.

i. Use current techniques, skills, and tools necessary for computing practice.

j. Use and apply current technical concepts and practices in the core information technologies.

k. Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.

l. Integrate IT-based solutions effectively into the user environment.

m. Understand best practices and standards and their application.

n. Assist in the creation of an effective project plan.

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

Department of Electrical and Computer Engineering
Chair: Zhihua Qu
HEC 439C: 407-823-5835

Faculty: Abdolvand, Abichar, Atia, Batarseh, Behal, Chan, DeMara, Dimirovski, Elaibshab, Ewert, Fahim, Failah, Fan, Georgopoulos, Gong, Haralambous, Jin, Jones, Kim, Lin, Mikhail, Qu, Rahnavard, Simaan, Suboh, Sun, Sundaram, Vosoughi, Wahid, Wang, Weeks, Wei, Wu, Yuan, Yuksei, Zhou

The Electrical and Computer Engineering Department offers baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BSCompE). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.CpE), and Doctor of Philosophy (Ph.D.) are also offered (see online Graduate Catalog).

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

The Computer Engineering Program
The Computer Engineering program contains a minimum of 63 credit hours of design experience, which includes courses listed as Embedded Systems and Computer Architecture (EEL 4742C and EEL 4768), Computer Science I (COP 3502C) and Digital Systems (ECE 3342C). In addition the program has two tracks: Comprehensive and Digital VLSI Circuits. Students are only allowed to declare on track per degree program. Technical electives can give additional design experience in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

Mission
The mission of the CPE Program at UCF is to develop and disseminate the theory and methods for the design, analysis, implementation, and improvement of computer hardware, software, and systems.

Program Educational Objectives
The objectives of the CpE Program at UCF are that:

1. Graduates will establish a successful employment position with increasing responsibilities in the areas of computer engineering.

2. Graduates will pursue advanced studies in the areas of computer engineering.

3. Graduates demonstrate the pursuit of life-long learning in their areas of interest, including membership in professional societies, and participating in training opportunities.

Student Outcomes
Graduates of the Computer Engineering program should attain:

a. An ability to apply knowledge of mathematics, science, and engineering.

b. An ability to design and conduct experiments, as well as to analyze and interpret data.

c. 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.

d. An ability to function on multidisciplinary teams.

e. An ability to identify, formulate, and solve engineering problems.

f. An understanding of professional and ethical responsibility.

g. An ability to communicate effectively.

h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

i. A recognition of the need for, and an ability to engage in life-long learning.

j. A knowledge of contemporary issues.

k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The Electrical Engineering Program
The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3857), Electronics I and II (ECE 3307C and 3308C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4742C), Networks and Systems (EEL 3123C) and Digital Systems (ECE 3342C). In addition the program has four tracks: Comprehensive, Communications and Signal Processing, RF and Microwave Circuits, and Power and Renewable Energy. Students are allowed to declare one track per degree program. Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagneticics, and power/ power electronics.

Mission
The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering.

Program Educational Objectives
The objectives of the EE Program at UCF are that:

1. Graduates will establish a successful employment position with increasing responsibilities in the areas of electrical engineering.

2. Graduates will pursue advanced studies in the areas of electrical engineering.

3. Graduates will demonstrate the pursuit of life-long learning in their areas of interest, including membership in professional societies, and participating in training opportunities.

Student Outcomes
Graduates of the Electrical Engineering program should attain:

a. An ability to apply knowledge of mathematics, science, and engineering.

b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. 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.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

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.

Department of Electrical and Computer Engineering Policies and Procedures
The Department’s website (http://www.ece.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 advising, 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 email and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems
Chair: Waldemar Karwowski
ENG2 312; 407-823-2204; Fax: 407-823-3413
Faculty: Biehl, Boginski, Calabrese, Elshennawy, Garibay, Hoekstra, Karwowski, Keathley, Kotnour, Lee, McCauley, Mollahasemi, Proctor, Rabelo, Reilly, Vela, Zheng

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

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

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Students learn advanced engineering methods in Operations Research (ESI 4312 and ESI 4313), Systems Simulation (ESI 4523), Quality Engineering (ESI 4234), and Systems Engineering (EIN 4517). 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 and distribution systems in EIN 4333, and to processes and facilities in EIN 4360. The design experience concludes with a re-al-world system design in the capstone course EIN 4891.

Mission
To prepare 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 careers 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 fundamental knowledge of management and interpersonal skills, and ability to professionally grow and develop their careers.
3. To provide society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Program Educational Objectives
Within the first several years following graduation, Graduates should:
1. Be successfully employed in challenging or satisfying positions in the public or private sector.
2. Achieve professional growth through participation in advanced studies at the graduate level and/or career development activities.
3. Show a commitment to industrial engineering as a global service profession and practice with integrity, honesty, and objectivity.

Student Outcomes
a. Students will have an ability to apply knowledge of mathematics, science, and engineering.
b. Students will have an ability to design and conduct experiments, as well as to analyze and interpret data.
c. Students will have 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.
d. Students will have an ability to function on multidisciplinary teams.
e. Students will have an ability to identify, formulate and solve engineering problems.
f. Students will have an understanding of professional and ethical responsibility.
g. Students will have an ability to communicate effectively.
h. Students will have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.
i. Students will have a recognition of the need for, and an ability to engage in life-long learning.
j. Students will have a knowledge of contemporary issues.
k. Students will have an ability to use the techniques, skills and modern engineering tools necessary for engineering practice.


Department of Materials Science and Engineering
Interim Chair: Sudipta Seal
ENG1 207; 407-882-1455; Fax: 407-882-1462
Faculty: An, Coffey, Fang, Fenton, Florczyk, Jiang, Leon, Seal, Sohn, Vaidyanathan

The Department of Materials Science and Engineering currently offers undergraduate materials science and engineering courses for students in the College of Engineering and Computer Science. In addition, the Department of Materials Science and Engineering offers an undergraduate minor in Materials Science and Engineering. The department houses interdisciplinary programs with core courses leading to the Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Materials Science and Engineering. Materials Science and Engineering provides a broadly-based foundation in designing, processing and manufacturing, properties and performance of soft and hard materials in different scales for applications in all aspects of science and engineering.

The department strives to meet the requirements for professional careers and research in materials science and engineering with foundational coursework and emphasis on hands-on laboratories and independent research experience. MSE seeks 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 “materialize” the design process to solve modern and relevant socio-economic challenges.
Details of facilities available for teaching and research may be found by following links from the MSE home page at http://www.mse.ucf.edu/.

Mission: Department of Materials Science and Engineering

The mission of the Department is to serve the industrial and academic needs of the University, the State of Florida, the nation and the international community by providing materials scientists and/or engineers with
- Ability to use fundamental and applied knowledge and the skills of the discipline to perform effectively in a broad range of industrial, governmental and academic positions.
- Clear awareness of ethics, quality, environments, economy, and safety.
- Focus as lifelong learners, pursuing their personal and professional development to rise to positions of prominence in the technical society of tomorrow.

The department further will serve as the focal point and catalyst for the development of high quality, coordinated and visionary research and educational programs for the materials-oriented students and faculty throughout UCF.

Department of Mechanical and Aerospace Engineering

Chair: Yoav Peles
ENG1 307; 407-823-2416; Fax: 407-823-0208

The Department of Mechanical and Aerospace Engineering offers undergraduate degree programs in Aerospace Engineering and Mechanical Engineering. The Aerospace Engineering program is designed to provide a broad-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 mechanical systems and thermos-fluids, including topics such as structures and properties of materials, solid mechanics, dynamics and controls, vibrations, CAD/CAM/FEM, fluid mechanics, and heat transfer. 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 design optimization which 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, the mission of the Mechanical Engineering program is to provide the highest quality engineering education through cooperative efforts with regional industry and to propagate methods for the design, analysis, and implementation of the principles and practices particular to the mechanical engineering field. Our graduates will be trained to be competitive in their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be supplied with skills necessary to achieve life-long learning and to pursue their personal and professional development upon completing the program. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Program Educational Objectives
1. Graduates will meet the expectations of employers of mechanical engineers.
2. Graduates will undertake leadership roles in their communities and/or professions.
3. Qualified graduates will pursue advanced study, if they so desire.

Student Outcomes
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments as well as to analyze and interpret data.
c. 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.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in, life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Mission: Mechanical Engineering

In support of the University and College, the mission of the Mechanical Engineering program is to provide the highest quality engineering education through cooperative efforts with regional industry and to propagate methods for the design, analysis, and implementation of the principles and practices particular to the mechanical engineering field. Our graduates will be trained to be competitive in their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be supplied with skills necessary to achieve life-long learning and to pursue their personal and professional development upon completing the program. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Program Educational Objectives
1. Graduates will meet the expectations of employers of mechanical engineers.
2. Graduates will undertake leadership roles in their communities and/or professions.
3. Qualified graduates will pursue advanced study, if they so desire.

Student Outcomes
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments as well as to analyze and interpret data.
c. 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.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in, life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Department Policy for Double Degree in Mechanical and Aerospace Engineering

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

- The student shall meet all major requirements for each degree.
- Additional 22 credit hours beyond the major courses for the double degree shall be upper level engineering related course work approved by the department.
The same catalog year must be used for both degrees.
The student must have a minimum of 150 credit hours.

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

Aerospace Engineering Major Pursuing Mechanical Engineering
Additional Degree
Students will need to complete a minimum of 150 credit hours which will include the 22 additional hours to earn a Bachelor of Science Mechanical Engineering degree in addition to the Bachelor of Science Aerospace Engineering degree. The additional courses are: Must take EML 3500: Design and Analysis of Machine Components. Must select 2 courses from the following 5 options: EML 3101: Thermodynamics of Mechanical Systems (3hrs) or EML 4504: Design and Analysis of Machine Components (3hrs) or EML 4313: Intermediate Dynamics and Controls (3hrs), or EML 4143: Heat Transfer II (3hrs), or EML 4703: Fluid Mechanics II (3hrs). Must select 1 course from the following 2 options: EML 4306C: Energy Systems Lab (3hrs), or EML 4301C Mechanical Systems Laboratory (3hrs) and complete 10 credit hours of Approved Departmental Technical Electives.

Mechanical Engineering Major Pursuing Aerospace Engineering
Additional Degree
Students will need to complete a minimum of 150 credit hours which will include the 22 additional hours to earn a Bachelor of Science Aerospace Engineering degree in addition to the Bachelor of Science Mechanical Engineering degree. The additional courses are: EAS 3101: Fundamentals of Aerospace (3hrs), EAS 3810C: Design of Aerospace Experiments (3hrs), EAS 4200: Design and Analysis of Aerospace Structures (3hrs), EAS 4105: Flight Mechanics (3hrs), EAS 4134: High-Speed Aerodynamics (3hrs), EAS 4300: Aeroengines (3hrs) or EML 4504: Design and Analysis of Machine Components (3hrs) or EML 4143: Heat Transfer II (3hrs), or EML 4703: Fluid Mechanics II (3hrs). Must select 1 course from the following 2 options: EML 4306C: Energy Systems Lab (3hrs), or EML 4301C Mechanical Systems Laboratory (3hrs) and complete 10 credit hours of Approved Departmental Technical Electives.

Reserve Officer Training Corps
Air Force ROTC (Aerospace Studies)
Chair: Colonel Heather McGee
Classroom II/ROTC, Room 221; 407-823-1247, Fax: 407-823-2265

The Department of Aerospace Studies provides pre-commissioning leadership training and education for qualified students who desire to serve as commissioned officers in the Air Force. Currently, the AFROTC primarily commissions officers for Active Duty with very limited Reserve commissioning opportunities. The department offers three, three and a half, and four-year programs. Students enrolled in SECAF qualified technical and non-technical majors are permitted five years to complete the AFROTC program. AFROTC students participate in mandatory classroom academics, leadership laboratory, and physical conditioning from the start of AFROTC until graduation/commissioning. The Department of Aerospace Studies also offers a “Cross-Town” program allowing local community college students to begin the Air Force ROTC program while dual enrolled in a designated college for their undergraduate degree classes and at UCF as a non-degree seeking student for their Air Force ROTC class and activities. All programs offer scholarship opportunities for qualified students. The Air Force retains sole discretion on whether or not any applicant is qualified for enrollment in pre-commissioning education through the Air Force ROTC program. Enrollment in the program does not guarantee completion or a commission. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. More information can be found on the UCF AFROTC home page at http://airforce.ucf.edu or at http://www.afrotc.com. This information is always subject to change and is based on current guidance from HQ.

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, space, and cyber power into a prime element of American national security. Full or partial GMC credit for prior service, and other past experiences are not guaranteed and are granted on a case-by-case by the Professor of Aerospace Studies.

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

Requirements for entry into the POC:
- Be at least 17 years of age at the time of entry.
- Be a U.S. citizen. Dual citizens must be willing to renounce other Non-US citizenship, if requested or if mandatory.
- If entering Flight Training, complete the POC and all degree requirements prior to reaching age 29, or
- If entering a non-flying Air Force specialty, complete the POC and all degree requirements before age 30 (waiverable to age 35).
- Pass the Air Force Officer Qualifying Test (AFOQT).
- Pass an Air Force medical examination (DoDMERB). 
- Pass the Air Force Physical Fitness Assessment (PFA) and meet Air Force BMI criteria.
- Have a cumulative GPA of 2.0 or higher.
- Be selected by the Professor of Aerospace Studies.
- Successfully complete a summer Field Training course.
- Qualify to contract (enlist) in the United States Obligated Reserve. Section (ORS) to certify agreement to complete the POC and to accept an Air Force Commission, if offered. This contract (enlistment) is terminated upon acceptance of a commission.

Leadership Laboratory
Leadership Laboratory is an AFROTC-only 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.

Physical Conditioning
In addition to attending Leadership Laboratory, students enrolled in the Air Force ROTC program participate in physical conditioning. Physical conditioning is conducted on the UCF campus at least three days each week.

Air Force ROTC Scholarship Program
Scholarships are competitively awarded and typically vary from two to four years. Depending on state residency status and credit hour load, scholarships may provide for full tuition and fees. Air Force ROTC scholarships do not provide funds for room and board expenses, and certain grants or other college funding programs may reduce or eliminate available AFROTC scholarship payments. This information is always subject to change and is based on current guidance from HQ.

Monetary Allowance
All scholarship and contract cadets receive a monthly, tax-free monetary allowance (stipend) and an annual textbook allowance. The stipend amount is based on the students’ academic classification. See http://www.afrotc.com for current rates.

Summer Training
All students must complete a summer Field Training (FT) course conducted at Maxwell Air Force Base in Montgomery, AL. FT typically occurs between a cadet’s sophomore and junior years, prior to their enrollment in the POC. The course is generally 23 days in length. The curriculum at FT includes junior officer training, officer career orientation, physical conditioning, and training for operations in austere forward deployed locations.

Officer Commissioning
Students who complete the POC are appointed as Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they serve a minimum active duty tour which varies in length depending on their particular career area. Obligations are explained by detachment officers in detail during one-on-one counseling sessions conducted with each candidate.
Army ROTC (Military Science)
Chair: LTC David Jones
Classroom II/ROTC Room 321; 407-823-2430; Fax: 407-823-5324
http://army.ucf.edu
Faculty/Staff: MSG McSwain, CPT Lehman, SSG Farrell, MAJ Ramsey, SFC Mackey, MAJ McIver, MAJ Bartholomew, SFC Gomez, SFC Reyes, John Gano, Reinaldo Morales, Lisa Brown, Fernando Tubens, George Leonard, and Bettina Bacag

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 occurring the summer months. These courses specialize in small unit tactics, how to prepare and conduct a five week camp conducted at Fort Knox, Kentucky, prior to receiving commissioning 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.

Qualified students can be selected to attend specialized military training courses at Fort Knox, Kentucky, normally between their junior and senior years. These courses address military organizations, equipment, weapons, tactics, leadership, land navigation, map reading, leadership, 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-hour leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract with the department chair as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, tactics, leadership, land navigation, map reading, leadership, and managerial skills. Students will also participate in a Field Training Exercise (FTX).
   B. Requisites for admission to the Basic Course:
      ■ Enrollment in a Baccalaureate or Master's degree program
      ■ Full-time undergraduate student status

2. Advanced Military Science
   A. The Advanced Military Science courses (MIL 1001C, MIL 1002C, MIL 4301C, MIL 4302C) consists of four semesters of classroom instruction of two hours each week and a two-hour leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct a five week camp conducted at Fort Knox, Kentucky, prior to receiving commissioning 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.
   B. Requisites for Admission to the Advanced Course:
      ■ Successful completion of Basic Course or placement credit.
      ■ Must be at least 17 years of age at the time of entry but not more than 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34).
      ■ Successful completion of an Army physical examination.
      ■ Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer.
      ■ Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours).
      ■ US Citizen.
      ■ A minimum cumulative GPA of 2.8 is required for STEMS and 3.2 for any other majors is required to contract as a non-scholarship cadet, and a minimum cumulative GPA of 3.0 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 during the Junior year and $500 during the Senior school year.

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

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

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

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

2. Specialized Summer Training Courses
   Students may attend the following specialized training courses:
   - a) Airborne Training
   - b) Air Assault Training
   - c) Northern Warfare Training
   - d) Cadet Troop Leadership Training
   - e) Mountain Training

3. Cadet Leaders Course (CLC)
   Students must attend and successfully pass a five week camp conducted at Fort Knox, Kentucky, prior to receiving commission as an Army Officer. This camp evaluates a student's leadership performance and potential. CLC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend CLC the summer following their junior year and receive approximately $800 pay for the training.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Health and Public Affairs

Dean: Michael L. Frumkin
HPA1 365, 407-823-0171
http://www.cohpa.ucf.edu

Associate Dean, Academic Affairs and Technology: Ross Wolf
HPA1 365; 407-823-0171

Associate Dean, Administration and Faculty Affairs: Dawn Oetjen
HPA1 365, 407-823-0171

Associate Dean, Research: Thomas Wan
HPA1 219; 407-823-0171

Associate Dean, Student/Personnel Affairs: Melvin Rogers
HPA1 365; 407-823-0171

The College of Health and Public Affairs houses seven departments and schools: the School of Social Work, the School of Public Administration, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, and Health Management and Informatics.

The College fosters excellence in undergraduate and graduate education, research and community service in health, social services and justice and offers an interdisciplinary Ph.D. program in Public Affairs.

General Requirements for the Bachelor’s Degree

Some programs in the College are limited access or restricted. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, the School of Public Administration, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, and Health Management and Informatics.

Additional information regarding prerequisites and admission requirements may be found in this catalog.

Academic Advisement

Undergraduate Student Services
Director: Mariangelly Rente
HPA2 115, 407-823-0010
Email: hpainfo@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 COHPA Success Program for students on probation or for those who are having academic difficulty. Questions concerning university and college academic policies should be directed through this office.

Programs and Degrees

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<td>Athletic Training</td>
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<td>Communication Sciences and Disorders</td>
<td>BA, BS, MA</td>
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<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS, PhD</td>
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<tr>
<td>Health Informatics and Information Management</td>
<td>BS</td>
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Health Care Informatics MS
Health Sciences - Pre-Clinical Track BS
Health Services Administration BS, MS
Legal Studies BA, BS
Nonprofit Management BA, BS, MPA
Public Administration BA, BS, MPA
Public Affairs PhD
Physical Therapy DPT
Research Administration MRA
Social Work BSW, MSW
Urban and Regional Planning MSURP

Department of Communication Sciences and Disorders

Chair: Richard Zraick
HPA2 101, 407-823-4798
http://www.cohpa.ucf.edu/csd

Clinic Director: Debra Knox
3280 Progress Drive, Suite 500; 407-882-0468

Faculty: Carnaby, Carson, Cosby, Crary, DiNapoli, Dreilingler, B. Ehren, T. Ehren, Fix, Harrington, Harvey, Hoffman-Ruddy, Hostetler, Kent-Walsh, Knox, Kong, Matura, Ratusnik, Resnick, Rivers, Rosa-Lugo, Ryalls, Schwartz, Towson, Troche, Utt, Vanryckegehem, Whiteside, Zraick

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 provide the necessary background for those who seek careers in health and human services; and 3) to allow those who graduate with a Bachelor’s degree required coursework to obtain licensure and employment as a speech-language pathology assistant.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to course work in communication sciences and disorders, the department offers courses in American Sign Language and related topics.

Degrees: Communication Sciences and Disorders (BA, BS, MA)
PhD in Communication Sciences and Disorders Track

Tracks: None

Minors: Communication Sciences and Disorders

Certificates: Language Development and Disorders

The Department of Criminal Justice houses the undergraduate degree program in Criminal Justice. Criminal Justice is a problem-based field of study that focuses on the nature of 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 and private sector organizations. The Criminal Justice Department offers diverse courses and internships, leading to careers in the field, or preparation for graduate study. The department supports Lambda Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society.

Degrees: Criminal Justice (BA, BS, MPA/MSMJ, MS, PhD)
Tracks: Criminal Justice
Program: Senior Scholar Program

Department of Health Management and Informatics
Chair: Reid Oetjen
HPA2 210; 407-823-2359


The Department of Health Management and Informatics in the College of Health and Public Affairs at the University of Central Florida is a global leader in the areas of health administration and informatics and is devoted to being the premier provider of: globally focused faculty research; quality education; and community commitment; all of which are enhanced by the diversity of its faculty, staff and students. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Informatics and Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

Program in Health Services Administration
The Bachelor of Science in Health Services Administration program is an upper-division professional curriculum that focuses on the managerial side of the health care industry. The program curriculum is designed to provide students with the necessary industry knowledge and job skills needed by entry-level managers in a variety of health care organizations. Program graduates are prepared for entry-level management positions in all types of health care organizations, including hospitals, ambulatory care centers, assisted living facilities, medical group practices, long-term care facilities, and home health care agencies. This program will also prepare students for study in advanced degrees in Health Services Administration or related disciplines.

The program attracts a diverse student population interested in health care management. Students without a background in the health care industry are attracted to this major and are able to build a foundation in health care systems in order to enter the industry. Some students who enter the program have clinical work experience such as respiratory therapists, emergency medical technicians, radiographers and medical laboratory technologists, while other students may hold an A.S. degree or a nationally recognized license.

The core requirements of the program have course work in areas such as health care systems, finance, administration, research, terminology, law, ethics and economics. In addition, students are encouraged to take additional elective courses that will enhance their background in the health care industry. Participation in an internship is also required. All core courses are offered as web-based as well as mixed mode format.

The Bachelor of Science in Health Services Administration program is fully certified by AUPHA-The Association of University Programs in Health Administration.

Program in Health Informatics and Information Management
Health informatics managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Informatics and Information Management program is accredited 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 for August admission and October 1 for January admission. Graduates of the Health Informatics and Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).

Department of Health Professions
Interim Chair: Kristen Schellhase
HPA2 118/119; 407-823-2214

Faculty: Beato, Brown, Dawson, Gual, Hanney, Fabian, Plant, Rothschild, Rovito, Saleh, Schellhase, Schulz, Smith, Sonne, Specogna, Stock, Tucker, Webster, Worrell

The Department of Health Professions offers a doctoral program in Physical Therapy, a baccalaureate program in Athletic Training, a baccalaureate program in Health Sciences, a minor in Health Sciences and a graduate certificate in Anatomical Sciences.

Program in Athletic Training
This is a competitive program that requires a separate application process following acceptance into the University. The athletic training program is a six semester program where students complete full-time coursework while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of a preceptor. These local affiliation sites include but are not limited to, high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to take the Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). The AT Program will accept its final cohort in the spring of 2018. A Master of Athletic Training (MAT) program will begin in 2019.

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

Program in Health Sciences
The Bachelor of Science degree in Health Sciences is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including, but not limited to: medicine, pharmacy, physical therapy, physician assistant, athletic training and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major who choose the Health Sciences track are required to have an overall GPA of 2.5 or better upon graduation. Students who select the Pre-Clinical track must maintain a minimum overall GPA of 3.0 to stay in this track.
School of Social Work
Director: Bonnie Yegidis
HPA1 204; 407-823-2114
Faculty: Anderson, Brown, Burg, Chapple, Dillon, Dziegielewski, Gammonley, Gryglewicz, Hall, Harris-Jackson, Kohn, Lawrence, Leon, Mann, Mazany, McGregor, Molina, Roche, Steen, Stewart, Wharton, Yegidis, Zavattaro
The UCF School of Social Work BSW Program (undergraduate social work program) prepares generalist social work students to become practitioners who promote optimal well-being, human rights, and social and economic justice. The school focuses on social change from a regional and global perspective with individuals, families, groups and communities in diverse practice settings. Today social workers are continuing their efforts in healthcare facilities, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives. The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

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

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

Degrees: Social Work (BSW, MSW)
Tracks: None
Minors: Aging Studies
Certificates: Aging Studies, Children’s Services
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at:
http://oeas.ucf.edu/academiclearningcompacts.html
College of Medicine
Vice-President for Medical Affairs and Dean: Deborah C. German
6850 Lake Nona Blvd., Suite 313, Orlando, FL 32827-7408
407-266-1000
http://www.med.ucf.edu
Director, Burnett School of Biomedical Sciences: Griffith Parks
HPA2 335C; 407-266-7011

The UCF College of Medicine through its Burnett School of Biomedical Sciences (BSBS) offers the third largest undergraduate program in the university, B.S. in Biomedical Sciences, that meets the admission requirements for medical and other health professional school programs. The Burnett school is an integral part of the College of Medicine, making it a research-intensive medical school where cutting-edge medical research spans the entire spectrum from laboratory bench to bedside. BSBS is home to quality programs in the bio-medical sciences as well as vigorous research programs focused on cancer, cardiovascular, neurological, and infectious diseases. The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. The college’s medical and biomedical programs capitalize on UCF’s existing strengths in biological sciences, modeling and simulation, engineering, optics and photonics, psychology, chemistry, film and digital media, business, and nursing.

The mission of the Burnett School of Biomedical Sciences is to provide quality undergraduate and graduate programs in the biomedical sciences and build vigorous research programs. In addition to conducting cutting-edge research in biomedicine with potential application to curing major diseases, BSBS is committed to helping develop a technology-based industry in Florida. Active partnerships formed with other units such as the College of Optics and Photonics, the College of Engineering and Computer Science and the Nanoscience Technology Center will facilitate interdisciplinary research and education programs in the innovative application of photonics, bioinformatics and nanoscience to biomedical problems.

The Burnett school is educating over 2,900 undergraduate majors in the biomedical sciences including Biomedical Sciences (also including Biomedical Sciences Pre-professional concentration), Biotechnology, and Medical Laboratory Sciences. The Biomedical Sciences BS also offers two tracks within the major: Molecular Microbiology, Molecular and Cellular Biology and Neuroscience. BSBS also offers master’s degrees in Biomedical Sciences and in Biotechnology, as well as an interdisciplinary doctoral degree in Biomedical Sciences. The current graduate enrollment is approximately 120 masters and doctoral students. The college also offers an M.D. program at the new facilities. The M.D. program enrolled its first class in August 2009 and has increased the number of admitted students annually to a level that will produce 120 medical graduates each year. The current enrollment is approximately 460 M.D. students.

In addition to multiple facilities on the main Orlando campus, the college has new facilities that are an integral part of the growing medical city at Lake Nona. The UCF Health Sciences Campus at Lake Nona includes the new 170,000-square-foot medical education building and the 198,000-square-foot Burnett Biomedical Sciences building. The M.D. program is offered in the medical education building, which features the latest in lab and classroom technology. The state of the art research laboratories in the Burnett Biomedical Sciences building provide expanded research opportunities for undergraduate and graduate students. Advising for undergraduate programs is located in HPA II room 335.

Programs and Degrees

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<td>B.S., M.S., Ph.D., Minor</td>
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<tr>
<td>Biomedical Sciences (Pre-professional Concentration)</td>
<td>B.S.</td>
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<tr>
<td>Biotechnology</td>
<td>B.S., M.S., M.S./M.B.A.</td>
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<tr>
<td>Medical Laboratory Sciences</td>
<td>B.S.</td>
</tr>
<tr>
<td>Medicine</td>
<td>M.D.</td>
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The Burnett School of Biomedical Sciences (BSBS) offers the third largest undergraduate program in the university, B.S. in Biomedical Sciences, that meets the admission requirements for medical and other health professional school programs. The Burnett school is an integral part of the College of Medicine, making it a research-intensive medical school where cutting-edge medical research spans the entire spectrum from laboratory bench to bedside. BSBS is home to quality programs in the bio-medical sciences as well as vigorous research programs focused on cancer, cardiovascular, neurological, and infectious diseases.
College of Medicine Mission, Vision and Goals

Mission
The University of Central Florida College of Medicine educates and inspires individuals to be exemplary physicians and scientists, leaders in medicine, scholars in discovery, and adopters of innovative technology to improve the health and well-being of all.

Our patient-centered mission is achieved by outstanding medical care and services, groundbreaking research, and leading edge medical and biomedical education in an environment enriched by diversity.

Vision
The University of Central Florida College of Medicine aspires to be the nation’s premier 21st century college of medicine.

The UCF College of Medicine will be a national leader in education, research, and patient care, recognized for supporting and empowering its students and faculty to realize their passion for discovery, healing, health, and life, and for its ability to create partnerships to transform medical education, health care, and research.

Goals
- Excel in medical and biomedical education
- Excel in research and discovery in: biomedical sciences, medical education, and health care
- Provide outstanding, innovative, patient-centered care while transforming health care delivery
- Be America’s leading partnership college of medicine
- Achieve a diversified self-sustaining infrastructure to support future operations

Burnett School of Biomedical Sciences
Director, Burnett School of Biomedical Sciences: Griffith Parks
HPA2 335C; 407-823-5932
Associate Director of Undergraduate Affairs (Burnett School of Biomedical Sciences): William Self
HPA2 335; 407-823-4262
Associate Director of Graduate Affairs (Burnett School of Biomedical Sciences): Saleh Naser
BMS 221; 407-823-0955
Associate Director, Academic Support Services (Burnett School of Biomedical Sciences): Greg Norris
BMS 101N; 407-266-7009

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Biomedical Sciences (including the Biomedical Sciences, Pre-professional Concentration) and Medicine offers bachelor degrees in Biomedical Sciences (including the Biomedical Sciences, Pre-professional Concentration) and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in Biotechnology.

The Burnett School of Biomedical Sciences: William Self
HPA2 335; 407-823-4262
Associate Director of Graduate Affairs (Burnett School of Biomedical Sciences): Saleh Naser
BMS 221; 407-823-0955
Associate Director, Academic Support Services (Burnett School of Biomedical Sciences): Greg Norris
BMS 101N; 407-266-7009

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Biomedical Sciences (including the Biomedical Sciences, Pre-professional Concentration) and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in Biomedical Sciences. At this time, the Burnett School has over 2,900 undergraduate students and approximately 120 graduate students.

Program in Biomedical Sciences
Undergraduate Coordinator: Dotrilin Hitchcock
HPA2 339; 407-823-5220
Graduate Coordinator (M.S. program): Saleh Naser
BMS 221; 407-823-0955
Graduate Co-Coordinator (Ph.D. Program): Steve Ebert
BBS 420; 407-266-7047

The core curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The restricted electives component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of morphological, clinical, analytical or investigative applications. There are three tracks in the Biomedical Sciences B.S.: Molecular Microbiology, Molecular and Cellular Biology, and Neuroscience. Students are also encouraged to gain research experience and expo-sure to specialized topics not taught in formal courses through the directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

Degrees: Biomedical Sciences (B.S., M.S., Ph.D.) Biomedical Sciences Pre-professional Concentration (B.S.)

Program in Biotechnology
Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5220
Graduate Coordinator: Saleh Naser
BMS 221; 407-823-0955

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 339; 407-823-5220

Medical laboratory scientists are 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. It also prepares students in the development of a high level of proficiency in correlating clinical data.

The last two years of sequential courses constitute the upper division professional phase of the program. The Medical Laboratory Sciences class size to be selected is determined by the availability of space and equipment, as well as available spaces in the clinical facilities.

The Medical Laboratory Sciences is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st, but applications will be accepted until the class is filled.

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS, 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119) 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)
Director: Amanda Colee
HPA2 335A; 407-823-5932
Academic Advisor: Cynthia Contreras
HPA2 336; 407-823-6787
Academic Advisor: Ana Maria Schwindt
HPA2 337; 407-823-1259
Email: BBSBSAdvising@ucf.edu

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at: http://oaes.ucf.edu/academiclearningcompacts.html
The goal of the Master of Science in Nursing (MSN) degree is to provide graduates with the knowledge and skills necessary for advanced practice nursing. Courses are primarily online with some face-to-face classes. The RN to BSN track offers registered nurses with an associate degree in nursing an opportunity to earn a BSN. Each applicant is considered on an individual basis.

The mission of the College of Nursing at the University of Central Florida is to prepare nurses leaders and patient advocates through excellence in education, research, and service. The University of Central Florida College of Nursing will be a 21st century leader in innovative nursing education, research and practice that impacts the health of a global community.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has four tracks: traditional, second degree accelerated, concurrent and RN to BSN. The traditional, accelerated second degree, and concurrent tracks prepare students for initial licensure as a registered nurse. The traditional program is also offered at the Daytona Regional campus. 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 Concurrent ASN to BSN program is a partnership between selected Florida College System institutions and UCF College of Nursing to allow simultaneous enrollment in both associate and baccalaureate nursing programs. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis includes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. Contact the College of Nursing for specific information. Courses are primarily online with some face-to-face classes offered in Orlando, Cocoa, Daytona Beach, and Melbourne campuses.

BSN Concurrent, AS to BSN

Minors: None

General Requirements for the Bachelor’s Degree

- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college website: http://www.nursing.ucf.edu

Academic Advisement

Office of Undergraduate Student Services
UTWR 3rd floor; 407-823-2744
Email: ucfnurse@ucf.edu
http://www.nursing.ucf.edu

The College of Nursing Office of Undergraduate Student Services assists undergraduate students in understanding matters relating to college and university requirements and procedures, as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to take the appropriate prerequisite requirements. Questions concerning university and college academic policies should be directed through this office.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oed.ucf.edu/academiclearningcompacts.html
CREOL, The College of Optics and Photonics
Dean and Director: Bahaa Saleh
CROL 207; 407-823-6800
Email: creol@creol.ucf.edu
http://www.creol.ucf.edu

Associate Dean for Academic Affairs: David J. Hagan
CROL 209; 407-823-6817

Associate Director, Academic Affairs: Mike McKee
CROL 108B; 407-823-6376; undergrad@creol.ucf.edu

Faculty: Abouraddy, Amezcu-Correa, Aregenti, Cerqua-Richardson, Chang, Christodoulides, Delfyett, Deppe, Dogariu, Fathpour, Gelfand, Glebov, Gaume, Hagan, Han, Kar, Khajavikhan, Kik, Kuebler, Li, LiKamWa, Pang, Moharam, Renshaw, Richardson, Saleh, Schoenfeld, Schulzgen, Shah, Soileau, Van Stryland, Vodapyanov, Wu, Yu, Zeldovich

Undergraduate Degree
Photonic Science and Engineering

College Vision
Be the nation's leader in education, research, and scholarship in optical science and engineering (OS&E).

College Mission
CREOL, The College of Optics & Photonics is a world-renowned graduate college for optical science and engineering education and research. Its mission is to: Provide the highest quality education in optical science and engineering, support the educational needs of undergraduate and graduate students, serve the continuing educational needs of industry, and enhance optics and photonics education at all levels; Create and disseminate new knowledge and innovations in optics and photonics by conducting, presenting, and publishing cutting-edge fundamental and applied research; Aid in the development of the State of Florida and the nation’s knowledge-based and technology-based industries, and create, foster, and sustain mutually beneficial research collaborations and partnerships with industry.
College Organization

The College of Optics and Photonics (COP) was formed in 2004, as a result of the great success of CREOL (the Center for Research and Education in Optics and Lasers), which 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. The College has awarded MS and PhD degrees in Optics for many years and now offers the degree of Bachelor of Science in Photonic Science and Engineering in collaboration with the College of Engineering and Computer Science (CECS).

CREOL has become an internationally recognized institute with 35 faculty members, 52 Ph.D. level research scientists, and 120 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 $50 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 undergraduate lab is outfitted with the latest equipment and technologies in a dedicated space for undergraduate students.

The research activities, through centers such as CREOL, the Florida Photonics Center of Excellence (FPCE) and the Townes Laser Institute, 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.

The faculty engage in research and education in fields utilizing radiation at wavelengths ranging from millimeter waves and THz to UV and X-rays. This includes several photonics technologies: 1) lasers, 2) optical fibers, 3) semiconductor and integrated photonic devices, 4) nonlinear and quantum optics, and 5) imaging, sensing and display. These technologies have applications in industry, communication and information technology, biology and medicine, energy and lighting, aerospace, and homeland security and defense. Design of optical systems, which has been the core of optical engineering, remains to be a principal component of the discipline, and advanced topics such as nanophotonics, atto-second optics, metamaterials, plasmonics, and biophotonics, have been embraced as areas of strength and future growth. These programs are supported by over $17 million of research grants and contracts annually from numerous federal and state agencies and industry.

Bachelor of Science in Photonics Science and Engineering Description

Optics and photonics technologies are central to modern life. For example, they are needed to make and inspect the integrated circuits in nearly every electronic device we use. They are used in high-efficiency lighting, displays, and the harvesting of solar power. Optical fibers have enabled the Internet. Lasers are essential to precision manufacturing and metrology. A plethora of medical applications including clinical diagnosis, surgery, and genome mapping utilize photonics technologies. Photonics plays an important role in the US and Florida’s economy, with over 270 photonics companies in Florida, employing over 5,000 engineers. B.S. degree in Photonic Science and Engineering will enable students to analyze and design optical and laser systems for a broad set of applications including manufacturing, healthcare, telecommunication, defense, security, and entertainment. PSE students are required to complete a senior design project in which students work on a small design team.

Mission

The mission of the Bachelor of Science in Photonic Science and Engineering program is to provide students with the fundamental knowledge and the capabilities of analysis and design of engineering systems that will enable them to serve as engineers within the photonics industry in a productive and ethical manner, and pursue continued education and advanced studies in this area.

Program Educational Objectives

1. Graduates will gain in their role as photonic scientists and engineers in society leading to leadership within the profession.
2. Graduates will make a meaningful impact on profession while behaving ethically and taking into account environmental and economic issues.
3. Graduates will pursue professional and personal development in their areas of interest, through such endeavors as graduate studies, service to the profession, or participating in training opportunities.

Student Outcomes

Upon graduation, graduates will have:

1. The ability to apply knowledge of mathematics, science, and engineering.
2. The ability to design and conduct experiments, as well as to analyze and interpret data.
3. The 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. The ability to function on multidisciplinary teams.
5. The ability to identify, formulate, and solve engineering problems.
6. An understanding of professional and ethical responsibility.
7. The ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in global, economic, environmental, and societal contexts.
9. Recognition of the need for, and the ability to engage in lifelong learning.
10. Knowledge of contemporary issues.
11. The ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Advisement

The Photonic Science and Engineering Bachelor’s degree is jointly offered with CECS. General questions about the program can be directed to the Associate Director in the College of Optics and Photonics or email at undergrad@creol.ucf.edu. Questions about general engineering requirements are available through the CECS Academic Affairs Office in ENG1 107.

Additional Information on UCF Baccalaureate Photonic Science and Engineering Program

Additional and current information on the UCF Photonic Science and Engineering can be found on the College home page at http://www.creol.ucf.edu and information about this joint program with the College of Engineering and Computer Science can be found at http://www.cecs.ucf.edu.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Optics and Photonics are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Sciences

Dean: Michael Johnson
CSB 201; 407-823-1997
http://sciences.ucf.edu/

Associate Dean: Teresa Dorman
CSB 201; 407-823-5167

Associate Dean: Jana Jasinski
CSB 201; 407-823-6588

Associate Dean: Florian Jentsch
CSB 201; 407-823-1912

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 along with the Nicholson School of Communication. In addition, the college houses several additional academic and research units, including the Arboretum, Global Perspectives, the Lou Frey Institute of Politics and Government, the National Center for Forensic Science, and iSTEM (Initiatives in Sciences, Technology, Engineering, and Mathematics).

The College is responsible for programs in the behavioral and social sciences, the communication sciences, the analytic and computational sciences, and the physical and life sciences. The departments collectively offer undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs in these areas. For information concerning graduate programs, please refer to the Graduate Catalog: http://www.graduatecatalog.ucf.edu.

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, most programs require that a student achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor as defined by each department (see program specific requirements). Some departments also require a minimum grade in specified courses and/or 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 (see “Foreign Language Requirements” under specific program requirements).

Preprofessional Programs

Prelaw Program
Prelaw Advisor: Roger Handberg
PH 302; 407-823-2608


There is no preferred major for those students interested in enrolling into a law program. Law schools accept superior students with a good liberal arts or science background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with an emphasis in theory and critical thinking is typically suggested. 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. Students are also encouraged to seek advisement from the university’s Office of Pre-Health and Pre-Law Advising.

Prehealth Professions

While there are specific courses that students need to master to enroll into a medical program, there is not a required major. The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the health sciences. Refer to the Biology Preprofessional Concentration for additional information. Students are also encouraged to seek advisement from the university’s Office of Pre-Health and Pre-Law Advising.

Advisement

College of Sciences, Advising Services (COSAS)
Director of Undergraduate Advising Services: Lee Anne Kirkpatrick
CSB 250; 407-823-6131
Email: cosas@ucf.edu
http://sciences.ucf.edu/cosas/

The College of Sciences Advising Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COSAS students will have at least two primary advisors, one within COSAS and one within the department of their major. Second year students transitioning from the “First Year” advising offices should make an appointment with their COSAS advisor by the end of their fall term of their second year at UCF. At that appointment, students will also then be referred to an advisor within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation as well as students with low major GPAs. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our website.

Programs and Degrees

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UNIVERSITY OF CENTRAL FLORIDA

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Political Science-Pre Law
Psychology
Radio-Television
SAS Data Mining
Security Studies
Social Sciences
Sociology
Statistics
Terrorism Studies

Degrees:
The Department of Biology offers a Bachelor of Science in Biology, Research experience and exposure to specialized topics not taught or graduate school while completing their B.S. degree in Biology allows students to satisfy requirements for admission to professional subspecialty. Careful selection of restricted and unrestricted electives employment and professional or graduate schools. Selection of electives is 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. The Department of Anthropology offers courses and programs that lead to a Bachelor of Arts in Anthropology, a number of minors or undergraduate certificate programs (see below for full list), and a Master of Arts in Anthropology with focus areas in Cultural Competency, Archaeological Investigations in Forensics and Human Adaptations, and Maya Studies. Degrees: Anthropology (BA, MA) Minors: Anthropological Archaeology, Anthropology, Anthropology in Multicultural Studies, Biological Anthropology, Cultural Anthropology, Medical Anthropology, North American Indian Studies Certificates: Anthropology of Global Health (undergraduate), Crime Scene Investigation (undergraduate), Native American Studies (undergraduate)

Deparment of Chemistry
Chair: Cherie Yestrebsky PS 255; 407-823-2246 Email: chemstaff@ucf.edu http://sciences.ucf.edu/chemistry/
Associate Chair: Seth Elsheimer Associate Chair and Undergraduate Coordinator: Pedro Patino Undergraduate Coordinator, Forensic Science: Tamra Legron-Rodriguez
Please see the department website for a listing of the department’s faculty and staff. 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. The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Forensic Science, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science.

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS) Tracks: Biochemistry (BS), Forensic Analysis (BS, MS), Forensic Biochemistry (BS, MS)

Minors: Chemistry

Nicholson School of Communication
Director: Robert Littlefield NSC 238; 407-823-1711 https://sciences.ucf.edu/communication/
Associate Director: Boyd Lindsay
Associate Director of Strategic Partnerships: Tim Brown
Assistant Director of Academic Programs: Kim Tuorto
Nicholson Academic Student Services Center (NASSC) NSC 143; 407-823-2681 Email: nassc@ucf.edu
Please see the department website for a listing of the department’s faculty and staff. The Nicholson School of Communication provides communication studies with a balance of practical skills and theoretical aspects. The school prepares students to investigate, understand and effectively enact and understand human communication and/or mass communication. Some programs focus on communication media and train students for professional careers in mediated communication fields. The school is composed of four program areas each of which offer Bachelor of Arts degrees. The degrees are:
1. Advertising-Public Relations: Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.
2. Human Communication: Provides knowledge of theory, and skills needed to understand, successfully predict and effectively interact with other human communicative behaviors in both professional and personal contexts including those necessary for interpersonal relationships, conflict management, intercultural interaction, employment in business, sales, and NPOs, and/or as background for advanced study in graduate school.
3. Communication and Conflict: Provides skills and knowledge that empower careers in mediation, arbitration, employee assistance providers, human resources and management. The major also serves as excellent preparation for graduate studies in communication, management and law. Students study the interaction of communication and conflict at all levels from the interpersonal to the intercultural, with a strong emphasis on experiential learning and real world applications.
4. Journalism: Provides knowledge of theory and skills needed for careers as a mobile and digital journalist (newspapers, magazines, broadcast, and online forms of mass communication).
5. Radio-Television: Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-television, including content creation, media production, broadcast journalism,

DEPARTMENTS, SCHOOLS, AND PROGRAMS

Department of Anthropology
Chair: Tosha Dupras
PH 309; 407-823-2227 Email: anthro@ucf.edu
http://sciences.ucf.edu/anthropology
Assistant Chair: John Schultz
Undergraduate Coordinator: Sarah (Stacy) Barber

Please see the department website for a listing of the department’s faculty and staff. 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. The Department of Anthropology offers courses and programs that lead to a Bachelor of Arts in Anthropology, a number of minors or undergraduate certificate programs (see below for full list), and a Master of Arts in Anthropology with focus areas in Cultural Competency, Archaeological Investigations in Forensics and Human Adaptations, and Maya Studies. Degrees: Anthropology (BA, MA) Minors: Anthropological Archaeology, Anthropology, Anthropology in Multicultural Studies, Biological Anthropology, Cultural Anthropology, Medical Anthropology, North American Indian Studies Certificates: Anthropology of Global Health (undergraduate), Crime Scene Investigation (undergraduate), Native American Studies (undergraduate)

Department of Biology
Chair: Graham Worthy
BL 301; 407-823-1333
Email: biology@ucf.edu
http://sciences.ucf.edu/biology

Associate Chair: Laurie von Kalm

Undergraduate Coordinator: Eric Hoffman

Please see the department website for a listing of the department’s faculty and staff. The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background provides flexible career opportunities for graduates, including science-related employment and professional or graduate schools. Selection of electives, in consultation with a faculty advisor, permits emphasis on a 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. 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 Conservation Biology, and participates in an interdisciplinary Ph.D. program in Biomolecular Sciences.

Degrees: Biology (BS, MS), Conservation Biology (PhD) Tracks: Ecology, Evolutionary, and Conservation; Marine and Aquatic Plant Sciences; Pre-Health Professional; Zoology and Pre-Veterinarian Science

Minors: Biology

Certificate: Conservation Biology (graduate)
media management and programming/promotions in a broadcast, cable online or corporate environment.

Facilities
The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television program has fully-equipped audio and video production facility, a complete multi-camera television studio, an online radio station and laboratories for interactive multimedia. The Journalism program has a computer writing and media lab. The Advertising-Public Relations program has a computer writing and media lab. The Human Communication program has a presentational speaking classroom equipped for audio/video record/playback and computerized visual presentation. The Human Communication program also has a small group and interpersonal research laboratory equipped with research equipment and audio/video record/playback tools.

Degrees: Advertising-Public Relations (BA), Communication (MA), Communication and Conflict (BA), Human Communication (BA), Journalism (BA), Radio-Television (BA)

B.A. Specializations: (Jou) Electronic News, Digital News; (R/TV) Media Management and Operations, Production

Minors: Journalism Studies, Human Communication, Magazine Journalism, Mass Communication

Certificate: Corporate Communication (graduate), Hispanic/Latino Media (undergraduate)

Department of Mathematics
Chair: Xin Li
MSB 209; 407-823-2826
Email: math@ucf.edu
http://sciences.ucf.edu/math/

Associate Chair: Joseph Brennan
Undergraduate Coordinator: Barry Edwards

Please see the department website for a listing of the department’s faculty and staff.
The programs in mathematics are designed to serve:
1. Students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. Students who desire to continue their education in graduate and professional schools; and
3. Students who need to use mathematics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Mathematics have developed along several lines. The Department offers service courses in pre-calculus and calculus along with strong programs in the upper division in the areas of algebra and analysis as well as the areas of applied and computational mathematics.

The Department of Mathematics offers courses and programs leading to a Bachelor of Science in Mathematics, a minor in Mathematics, a Graduate Certificate in Mathematics, a Master of Science in Mathematical Science and a Ph.D. in Mathematics.

The department does not award credit by examination for courses that are regularly taught. Students who have mastered the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirement.

Degrees: Mathematics (BS, MS, PhD)
BS Tracks: General, Mathematical Biology, Mathematical Economics, Computational, Engineering/Physics

Certificate: Mathematics (graduate)

Minors: Mathematics, Mathematical Biology

Department of Physics
Chair: Eduardo Mucciolo
PS 430A; 407-823-5765
Email: physics@ucf.edu
http://sciences.ucf.edu/physics/

Associate Chair: Joshua Colwell
Associate Chair: Enrique Del Barco
Undergraduate Coordinator: Elena Filtisy
PS 430; 407-823-2325

Please see the department website for a listing of the department’s faculty and staff.
The Department of Physics offers a multi-track program of study leading to the B.S. or B.A. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals.

The Physics B.S. includes a common core of courses in theoretical and experimental physics that 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 Physics B.A. will allow students to customize their learning trajectory for specific career interests, maximizing the relevant course-work each student can take while completing a physics degree within a four year timeline. The B.A. in Physics will provide students with a strong physics preparation, while allowing them flexibility to pursue an interdisciplinary academic program combining physics with training in an additional field, such as education, nanoscale science and technology, biophysics, business, entrepreneurship, information technology, or technical writing. The program will provide excellent preparation for middle- and high-school physics teachers and those wishing to pursue a technical career in industry or graduate study in disciplines outside physics, such as medicine or law.

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 (BA, BS, MS, PhD)
BS Specializations: General, Materials Physics, Optics & Lasers, Computational, and Astronomy
BA Specializations: Physics Education, Nanoscale Science and Technology, Biophysics, Information Technology/Data Science, and Technical Writing

Minors: Astronomy, Nanoscale Science and Technology, Physics

Department of Political Science
Chair: Kerstin Hamann
HPH 302; 407-823-2608
Email: politics@ucf.edu
http://sciences.ucf.edu/politicalscience/

Assistant Chair: Barbara Kinsey
Undergraduate Coordinator: Barry Edwards
PH 302; 407-823-2608

Please see the department website for a listing of the department’s faculty and staff.
The Department of Political Science seeks to:
1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where knowledge of government and politics is necessary;
2. Provide students with a broad background in pre-law to facilitate their admission to law school;
3. Prepare students for teaching, research, and graduate study in Political Science;
4. Provide a broad background for careers in politics; and
5. Educate citizens and promote their active interest in public affairs.

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives. Political Science courses for the B.A. are divided into three areas of specialization or a Pre-Law Track. The specializations include American Politics and Policy, International Relations and Comparative Politics, and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language beyond that required for the B.A.

Degrees: Security Studies (PhD), Political Science (BA, MA), International and Global Studies (BA)
The undergraduate program of the Department of Psychology reflects faculty and staff. Please see the department website for a listing of the department's faculty and staff.

The undergraduate program of the Department of Psychology reflects the scientific nature of the field and has three primary goals. The first is to provide students graduating with a B.S. in psychology with knowledge of the basic theories and research in psychology. The second is to provide critical thinking, writing skills, and knowledge of research and statistical concepts so graduates can apply these concepts to their work, community, and lives. Finally, we prepare our graduating students with the skills necessary for success in a career or graduate programs in psychology or related fields.

Degrees: Psychology (BS, PhD), Clinical Psychology (MA), Industrial and Organizational Psychology (MA/MPS), Cognitive Neuroscience, Experimental Psychology

Minors: Psychology

Certificates: Behavioral Forensics (undergraduate)

Department of Sociology
Chair: Elizabeth Mustaine
PH 403B; 407-823-3744
Email: sociology@ucf.edu
http://sciences.ucf.edu/sociology/

Associate Chair: Fernando Rivera
Undergraduate Program Coordinator: Amy Donley
Social Science Program Coordinator: Elizabeth Grauerholz

Please see the department website for a listing of the department’s faculty and staff.

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses.

Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, healthcare, and changes in the family.

The department offers 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, information management specialist, and research analyst.

For more information about our nationally acclaimed yet personable faculty and our relevant, flexible major, go to http://sociology.ucf.edu.

Degrees: Sociology (BA, MA, PhD), Social Sciences (BS)

MA Track: Domestic Violence

Minors: Crime, Law & Deviance, Diversity & Social Inequality, Global Sociology, Mass Culture & Collective Behavior, Medical Sociology, Sociology

Department of Statistics
Chair: Shunpu Zhang
CCII 206; 407-823-5528
Email: stats@ucf.edu
http://sciences.ucf.edu/statistics/

Associate Chair: James Schott
Undergraduate Program Coordinator: Nizam Uddin

Please see the department website for a listing of the department’s faculty and staff.

The Department of Statistics offers courses and programs leading to a Bachelor of Science in Actuarial Sciences, a Bachelor of Science in Statistics, a minor in Statistics, a minor in Actuarial Sciences, and a Master of Science in Statistical Computing with a track in Data Mining. The B.S. in Actuarial Science is designed to satisfy the Society of Actuaries (SOA) and the Casualty Actuarial Society (CAS) Validation by Educational Experience (VEE) requirements in the areas of Economics, Corporate Finance and Statistics, and the program will prepare students for the SOA exams that are part of the certification process that lead to the first level of credentials issued by the SOA and CAS.

The B.S. in Statistics is designed to serve 1) students who desire to pursue careers in statistics after having completed a baccalaureate degree; 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, and statistical computing. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees: Actuarial Sciences (BS), Statistics (BS, MS)

MS Track: Data Mining

Minors: Statistics, Actuarial Science

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://oeas.ucf.edu/academiclearningcompacts.html
The College of Undergraduate Studies provides students with a robust and individualized course of study through its Interdisciplinary Studies degree program. The college also confers academic degrees that include Bachelor of Arts and Bachelor of Science in Interdisciplinary Studies, Bachelor of Applied Science, and Bachelor of Science in Environmental Studies. It also serves as a partner to UCF’s 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 Studies
Director: TBA
CL1 302; 407-823-0144
Email: is@ucf.edu
http://is.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Karen Baxley, Luisa Cintron, Amy Van Epps, Peter Wallace

Students participating in the IDS degree program have the opportunity to pursue individually planned programs of study across multiple disciplines that will prepare them for graduate or professional school or career. Students’ degree programs integrate three distinct areas of study in addition to methodological framing courses. As one of UCF’s largest degree programs, IDS collaborates with UCF’s colleges to offer more than 1,400 majors (Fall 2016). IDS offers a B.A. or B.S. in Interdisciplinary Studies, B.S. in Environmental Studies, and B.A. IDS Transnational Gender, Race, and Sexuality Studies track. The program also offers minors in Environmental Studies, World Comparative Studies, and Leadership Studies. It also oversees certificate programs in Leadership Studies, Cultural Tourism, Service-Learning, and Geographic Information Systems.

Academic Services
Academic Services upholds State of Florida and UCF policies and regulations regarding the academic records of undergraduate students. It reviews academic record changes such as medical withdrawals, late adds/drops, late withdrawals, and college petitions for waivers of UCF degree requirements. Academic Services administers the myKnight Audit for undergraduate degree programs. Additionally, it reviews lower level transfer credit for satisfaction of General Education requirements, Gordon Rule writing, and foreign language proficiency requirements. The Dean of the College of Undergraduate Studies serves as the final arbiter for all undergraduate academic appeals.

Academic Services also plays an integral role in UCF’s curriculum management process. Supporting the Faculty Senate’s responsibility for all curriculum committees and councils, as defined by its constitution, the college works closely with the chairs of both the Undergraduate Curriculum Review Committee (UCRC) and the Undergraduate Policy and Curriculum Committee (UPCC). The Dean of the College of Undergraduate Studies chairs the Common Program Oversight Committee, the Senate body that oversees university-wide curricular requirements including the General Education Program. The College of Undergraduate Studies assists the committees throughout the review process, ensures approved courses and programs are sent to the appropriate state agencies, and facilitates the annual review of programs within the Undergraduate Catalog. Once proposals have been approved by any of the three curricular committees, the Dean is the next level of approval. Those approved by the Dean then go to the Provost for final approval.

Bachelor of Applied Science
Dean: Elizabeth A. Dooley
MH 210; 407-823-2373
http://regionalcampuses.ucf.edu/program/applied-science

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving, and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.
The hospitality industry is the second largest employer in the United States and represents the majority of the economy's rapidly growing service sector. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally suited to prepare students for leadership careers in the hospitality industry and beyond. 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.

Over 55 million tourists visit Orlando each year, an international destination with over 400 hotels with 120,000 rooms, 20,000 vacation ownership units, 5,300 restaurants, 176 golf courses, over 100 theme parks and attractions, 12 regional shopping malls, a top-ranked international airport, the second largest convention center in the nation, and a multitude of sport and entertainment venues. As the most visited location in the United States, Orlando's hospitality & tourism industry is the region's largest employer, supplying approximately 360,000 jobs with wages exceeding $14 billion annually.

The educational mission of the College is to provide students with the knowledge, skills and abilities to identify opportunities and challenges in the hospitality industry and beyond, and to apply creative decision-making techniques in response to those opportunities. Hospitality is relevant to every business, so students will benefit from an education that's transferable to both private and public entities that value the customer experience.

The curriculum is designed to prepare students for a broad range of managerial roles across various industries. It provides both academic preparation and practical experiences that students need to enter and succeed in their careers. Students also have the opportunity to experience the work world in hospitality through an internship requirement and extensive contact with leading hospitality executives in the Central Florida area. There are three undergraduate degrees offered, including Bachelor of Science degrees in Hospitality Management, Event Management, Entertainment Management and Restaurant and Food Service Management.

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.

**Distinctive Benefits**

- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with convenient on-campus housing.
- Access to global hospitality organizations that serve one of the world's premier tourist destinations.
- Extensive ties to top leaders in the Orlando area hospitality industry.
- A large number of scholarships provided through the generous support of the industry.
- Outstanding faculty from 17 different countries.
- A highly engaged faculty with vast industry knowledge and connections.
- A work requirement that provides students with practical experiences in the hospitality industry.
- Outstanding internship opportunities.
- A modern food production laboratory and beer and wine laboratory completely equipped to provide students with experience in food preparation.
- Multiple endowed chairs and professorships.

**Degrees:** Event Management (BS), Hospitality Management (BS), Restaurant and Food Service Management (BS), Entertainment Management (BS)

**Tracks:** Theme Park and Attraction Management; Golf and Club Management, Lodging Operations, Professional Tennis Management

**Minor:** Hospitality Management; Event 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/academiclearningcompacts.html
UCF DEGREE PROGRAMS

Accounting
Actuarial Science
Advertising-Public Relations
Aerospace Engineering
Aerospace Engineering - Accelerated Undergraduate-Graduate Program
Anthropology
Applied Science B.A.S. - A.S. to B.A.S.
Architecture
Art - History Track
Art - Studio Track
Art - Visual Arts and Emerging Media Management Track
Art - B.F.A. - Emerging Media Track
Art - B.F.A. - Studio Art Track
Athletic Training
Biology
Biomedical Sciences
Biomedical Sciences - Molecular and Cellular Biology Track
Biomedical Sciences - Molecular Microbiology Track
Biomedical Sciences - Neuroscience Track
Biomedical Sciences - Preprofessional Concentration
Biotechnology
Chemistry
Chemistry - Biochemistry Track
Civil Engineering
Communication & Conflict
Communication Sciences and Disorders
Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program
Computer Engineering - Comprehensive Track
Computer Engineering - Digital Circuits Track
Computer Engineering - Accelerated Undergraduate-Graduate Program
Computer Science
Computer Science - Accelerated Undergraduate-Graduate Program
Construction Engineering
Criminal Justice
Criminal Justice Scholar’s Track
Criminal Justice - A.S. to B.S. Track
Digital Media
Early Childhood Development and Education
Track 1: Education: Pre-Kindergarten - Primary
Track 2: Early Childhood Development
Economics
Economics, Business
Electrical Engineering - Communications and Signal Processing Track
Electrical Engineering - Comprehensive Track
Electrical Engineering - Power and Renewable Energy Track
Electrical Engineering - RF and Microwaves Track
Electrical Engineering - Accelerated Undergraduate-Graduate Program
Elementary Education
English - Creative Writing
English - Literature
English - Technical Communication
Entertainment Management
Environmental Engineering
Environmental Studies
Event Management
Exceptional Student Education
Film - B.F.A.
Film - Cinema Studies Track
Finance
Forensic Science - Biochemistry Track
Forensic Science - Chemistry Track
French
Health Informatics and Information Management
Health Sciences - Health Sciences 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
Human Communication
Humanities and Cultural Studies
Industrial Engineering
Industrial Engineering - Accelerated Undergraduate-Graduate Program
Information Technology
Integrated Business
Interdisciplinary Studies
Interdisciplinary Studies - Transnational Gender, Race, and Sexuality Track
International and Global Studies
International Relations
Latin American Studies
Legal Studies
Liberal Studies
(See Interdisciplinary Studies)
Management
Marketing
Mathematics
Mechanical Engineering
Mechanical Engineering - Accelerated Undergraduate-Graduate Program
Medical Laboratory Sciences
Music
Music - Jazz Studies Track
Music - Music Composition Track
Music - Music Performance Track
Music Education
Nonprofit Management
Nursing
Nursing - Accelerated Second Degree B.S.N. Option
Nursing - A.S. to B.S.N. Track
Nursing - Concurrent A.S.N. to B.S.N. enrollment option
Nursing - R.N. to B.S.N. Program
Philosophy
Photography
Photonic Science and Engineering
Physics
Political Science
Political Science - Prelaw Track
Psychology - Clinical Psychology Track
Psychology - Experimental Psychology Track
Psychology - General Psychology Track
Psychology - Human Factors Psychology Track
Psychology - Industrial / Organizational Psychology Track
Psychology - Neuroscience Psychology Track
Public Administration
Radio - Television
Real Estate
Religion and Cultural Studies
Restaurant and Foodservice Management
Secondary Education - English Language Arts Education Track
Secondary Education - Mathematics Education Track
Secondary Education - Science Education Biology Track
Secondary Education - Science Education Chemistry Track
Secondary Education - Science Education Physics Track
Secondary Education - Social Science Education Track
Social Sciences
Social Work
Sociology
Spanish
Sport and Exercise Science
Statistics
Teacher Education - Art Education Track
Teacher Education - Physical Education Track
Teacher Education - World Languages Education
Spanish Track
Technical Education and Industry Training
Theatre - Acting Track
Theatre - Design and Technology Track
Theatre - Musical Theatre Track
Theatre - Stage Management Track
Theatre Studies
UCF Legal Studies/Barry Law/Touro Law
Accelerated Legal Studies Degree Program
Writing and Rhetoric

The purpose of the Accounting B.S.B.A. degree is to prepare students to successfully gain admittance to our Accounting M.S.A./M.S.T. graduate degree program and become Certified Public Accountants (CPAs). 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 College System or State University System institution, and completion of each Common Program Prerequisite course with a "C" (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3131, with a GPA of at least 3.0, a grade of at least "B" (3.0) in ACG 3131, and no grade below a "C" (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites.
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Accounting must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 60 upper level business credit hours 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.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Accounting major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPA will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed as an Accounting major and/or College of Business student. A student who is dismissed may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students must earn a "B" or higher in ACG 3131. In addition, only grades of "C" (2.0) or higher transfer into the program and students must earn a minimum of "C" (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.
8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

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

Total Semester Hours Required
- 120

Honors in Major
- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
- 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 two honors courses (total of 6 credit hours) as follows:

Take all of the following sequences:
- ACG 4903H Honors Directed Reading I or 3 hrs
- ACG 4904H Honors Directed Reading II 3 hrs

and
- ACG 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Lower division courses 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.

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UCF Degree Programs

Senior Year - Spring 13 hrs
TAX 4001 Taxation of Business Entities and Transactions 3 hrs
ACG 4651 Auditing 3 hrs
ACG 4803 Advanced Issues in Financial Accounting 3 hrs
MAN 4720 Strategic Management 3 hrs
GEB 4004 Executing Your Career Plan 1 hr

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Actuarial Science (B.S.)
College of Sciences
Department of Statistics,
Technology Commons II, Room: 212
http://www.statistics.cos.ucf.edu
Email: statistics@ucf.edu
Dr. David Nickerson, 407-823-5528

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.
- Students must earn at least a “C” (2.0) in each course with an STA prefix.
- Students must achieve a minimum cumulative GPA in all computer science and mathematics courses satisfying major requirements.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.
  - STA 2023 Statistical Methods I 3 hrs
  - STA 3032 Probability and Statistics for Engineers 3 hrs

1. UCF General Education Program (GEP) (39 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 2023 Statistical Methods I 3 hrs
D: Social Foundations (6 hrs)
Economics 3 hrs
Prefer ECO 2013 Principles of Macroeconomics 3 hrs
Social Sciences: Select one. 3 hrs
Required ANT 2000 General Anthropology or
Required PSY 2012 General Psychology or
Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (8 hrs)
Life Science: (4 hrs)
Required BSC 2010C Biology I 4 hrs
Physical Science: (4 hrs)
Required CHM 2045C Chemistry Fundamentals I or
Required PHY 2053C College Physics I 4 hrs

2. Common Program Prerequisites (CPP) (14 hrs)
- See “Common Prerequisites” in the transfer and transitions Services section for more information, including some possible substitutes;
  - COP 3223C Introduction to Programming with C 3 hrs
  - ECO 2013 Principles of Macroeconomics GEP
  - ECO 2023 Principles of Microeconomics CPP
  - MAC 2311C Calculus with Analytic Geometry I GEP
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs

Complete two laboratory courses designed for science majors;
- The state of Florida requires Actuarial Science majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.
  - Note: both semesters do not have to be in the same subject area.
  - Note: depending on which courses were taken in the GEP, this requirement could require 0 to 8 credits to complete.

Select two semesters within the following;
- See Basic Core for details.

3. Core Requirements: Basic Level (3 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken;
  - COP 3223C Introduction to Programming with C CPP
  - ECO 2013 Principles of Macroeconomics GEP
  - ECO 2023 Principles of Microeconomics CPP
  - MAC 2311C Calculus with Analytic Geometry I GEP
  - MAC 2312 Calculus with Analytic Geometry II CPP
  - MAC 2313 Calculus with Analytic Geometry III CPP
  - STA 2023 Statistical Methods I GEP
  - ACG 2021 Principles of Financial Accounting 3 hrs

4. Core Requirements: Advanced Level (49 hrs)
- All sciences courses except the following, and those protected by Florida Common Course Numbering Numbering must be taken from, or approved by the Statistics Department at UCF.
  - PHY 2053C College Physics I 4 hrs
  - CHM 2045C Chemistry Fundamentals I or
  - COP 3223C Introduction to Programming with C CPP
  - STA 2023 Statistical Methods I 3 hrs
  - STA 4013 Theory of Interest 3 hrs
  - STA 4184 Introduction to Derivative Markets 3 hrs
  - STA 4186 Theory of Derivative Pricing 3 hrs
  - STA 4130 Life Contingencies I 3 hrs
  - STA 4131 Life Contingencies II 3 hrs
  - STA 4133 Loss Models I 3 hrs
  - STA 4135 Loss Models II 3 hrs
  - COP 4500 Numerical Calculus 3 hrs
  - ENC 3241 Writing for the Technical Professional 3 hrs
  - MAS 3105 Matrix and Linear Algebra 4 hrs

5. Restricted Electives (6 hrs)
- Select from upper division or graduate (5000 level) statistics, mathematics, or computer science courses.
- Selected courses in business may be used only with prior approval by the Department of Statistics.
- The following courses cannot be used to satisfy this requirement:
  - MAC 2233 Concepts of Calculus 3 hrs
  - MAC 2253 Applied Calculus 3 hrs
  - MAC 2254 Applied Calculus II 3 hrs
  - MIF 4404 History of Mathematics 3 hrs
  - All MAE courses

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UCF Degree Programs

6. Capstone Requirements
- None

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

Graduation
- None

8. Electives (9 hrs)
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must earn at least a "C" (2.0) in each course with a STA prefix.
- Students must achieve a minimum 2.0 cumulative GPA in all computer science and mathematics courses satisfying major requirements.
- Take SOA Exam P (Probability) and report the score to the department.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Mathematics
- Mathematics Education
- Statistics

Certificates
- None

Related Minors
- Actuarial Science
- Statistics
- Mathematics

Advising Notes
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.
- Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Science courses and still may need to be taken.
- Biology: any 2 laboratory courses for majors with BSC, CHM, or PHY prefixes will satisfy the CPP. However the listed biology courses are also a core requirement and need to be taken.

- Statistics: although any STA 2XXX course will satisfy the CPP, the listed course is required in the program's core and will still need to be taken.

Plan of Study
- This is one of numerous possible plans of study.
- See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.seds.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test ~ http://utcs.sdes.ucf.edu
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 16 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- STA 4163 Statistical Methods II 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 16 hrs
- STA 4164 Statistical Methods III 3 hrs
- COP 3223C Introduction to Programming with C 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- STA 4321 Statistical Theory I 3 hrs

Sophomore Year - Spring 16 hrs
- STA 4852 Applied Time Series 3 hrs
- FIN 3403 Business Finance 3 hrs
- BSC 2010C Biology I 4 hrs
- COT 4500 Numerical Calculus 3 hrs
- STA 4322 Statistical Theory II 3 hrs

Junior Year - Fall 14 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- STA 4183 Theory of Interest 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- PHY 2053C College Physics I 4 hrs

Junior Year - Spring 15 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- STA 4184 Introduction to Derivative Markets 3 hrs
- GEP 3 hrs
- Elective 3 hrs

Senior Year - Fall 15 hrs
- GEP 3 hrs
- STA 4130 Life Contingencies I 3 hrs
- STA 4133 Loss Models I 3 hrs
- STA 4186 Theory of Derivative Pricing 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 12 hrs
- STA 4131 Life Contingencies II 3 hrs
- STA 4135 Loss Models II 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/a lc/academic_learning_compacts.htm
Advertising-Public Relations (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Email: adpr@ucf.edu
Joan McCain - Area Coordinator, joan.mccain@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- The Advertising-Public Relations program is a limited access program that requires a separate application.
- Students should apply to become Advertising - Public Relations majors only after completing all requirements for admission.
- Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
- The student’s GPA is a major component of the admission criteria.
- The admission GPA will be calculated using all college work attempted.
- The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
- Pass a grammar proficiency exam administered by UCF’s Testing Center, unless the student has qualifying AP or IB scores, or a “B” is earned in both freshman GEP English classes.
- Contact NSC Advising for specifics of admission criteria.
- Students must receive a positive evaluation by the Nicholson School of Communication.
- For admission to the program, students must complete or be enrolled into and complete the following courses with a “C” or better (if in progress at the time of admission, students who do not earn a “C” or better will be removed from the program):

**Complete the following:** 6 hrs
- ADV 3008 Principles of Advertising and Marketing 3 hrs
- PUR 4000 Public Relations 3 hrs

**Application Deadlines:**
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.

Degree Requirements
- Students who change degree programs (other than from Ad-PR Pending) and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor’s prior approval.
- Students should consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- A maximum of three credit hours of internship may be earned in one semester.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   
   Select either 3 hrs
   - Required SPC 1608 Fundamentals of Oral Communication or SPC 1603 Fundamentals of Technical Presentations

   B: Cultural & Historical Foundations (9 hrs)
   Preference: AMH 1010 U.S. History: 1492-1877 3 hrs
   Select two courses from group B 2. 6 hrs

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

   Statistics 3 hrs
   - Required STA 2023 Principles of Statistics or STA 214C Principles of Statistics 3 hrs
   - May substitute a more advanced STA course. 3 hrs

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

   Social Sciences 3 hrs
   - Required ANT 2000 General Anthropology or PSY 2012 General Psychology 3 hrs
   - Required SYG 2000 Introduction to Sociology 3 hrs

3. Core Requirements: Basic Level (6 hrs)
   - All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:
   - **Must be in progress or completed before applying to the program:**

   **Complete all of the following:** 6 hrs
   - For admission to the program, students must complete or be enrolled into and complete the following courses with a “C” or better (if in process at the time of admission, students who do not earn a “C” or better will be removed from the program):
     - ADV 3008 Principles of Advertising and Marketing 3 hrs
     - PUR 4000 Public Relations 3 hrs

   **May be completed before or after admission to the program:**

   **Complete either Economics class:**
   - ECO 2023 Principles of Microeconomics or ECO 2013 Principles of Macroeconomics GEP/CPP
Complete either speech class
SPC 1608  Fundamentals of Oral Communication or GEP/CPP
SPC 1603C Fundamentals of Technical Presentations GEP/CPP

Complete either statistics class:
STA 2014C Principles of Statistics or GEP
STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (24 hrs)

Complete after admission to the program:
ADV 4101 Advertising Copywriting 3 hrs
MMC 3420 Mass Media Research Methods 3 hrs
MMC 3200 Mass Communication Law 3 hrs
MMC 4411 Ad-PR Campaigns 3 hrs
MMC 3630 Social Media as Mass Communication 3 hrs
PUR 3100 Writing for Public Relations 3 hrs
VIC 3001 Visual Communication 3 hrs

Internship: Select one 3 hrs
ADV 4941 Internship or 3 hrs
PUR 4941 Internship 3 hrs

5. Restricted Electives (9 hrs)

Select from the following after admission to the program:
PUR 3004 Public Relations and Society 3 hrs
ADV 4103 Radio-Television Advertising 3 hrs
ADV 4300 Advertising Media Planning 3 hrs
COM 3110 Business and Professional Communication 3 hrs
JOU 4700 Journalism Ethics 3 hrs
PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
PUR 4203 PR/Advertising Ethics and Law 3 hrs
PUR 4014 Preparing for Public Relations Certification 3 hrs
PUR 4400 Crisis Communication 3 hrs
PUR 4110C Public Relations Publications 3 hrs
PUR 4801 Public Relations Case Studies 3 hrs
VIC 4312 Power Branding 3 hrs

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

6. Capstone Requirements

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

7. Foreign Language Requirements

Admissions
Met by graduation requirement.

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

Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
Select primarily from upper level courses, with school advisor's approval. Must be from outside of the disciplines represented within 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 56 hour Liberal Arts requirement.

9. Additional Requirements
None

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

11. Departmental Exit Requirements
To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).

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

Total Semester Hours Required
120

Honors In Major
Eligibility: Requirements for admission to Honors in the Major are: completion of at least 60 semester hours of college credits including at least 12 graded upper-division hours at UCF; at least a 3.5 GPA within the major; and at least a 3.2 cumulative GPA including all upper-division courses regardless of institution; complete ADV 3008 and PUR 4000 with a minimum grade of A (4.0) and MMC 3420 with a minimum grade of B (3.0).
Admission: Application to admission to Honors in the Major program must be approved by both the Honors in the Major thesis adviser and the Advertising-Public Relations Area Coordinator.

Requirements:
Students accepted into the Honors in the Major Program must complete the following:

Select 1: 3 hrs
ADV 4906 Directed Independent Study or 1 hr
PUR 4906 Directed Independent Study 1 hr

Select 1: 3 hrs
ADV 4970H Undergraduate Honors Thesis or 1 hr
PUR 4970H Honors Undergraduate Thesis II 1 hr

Related Programs
Marketing
Certificates
None

Related Minors
NOTE: Minors taught within the Nicholson School of Communication are not open to Ad-PR majors.
Business
Digital Media
Writing and Rhetoric
Hospitality Management
Marketing
Political Science
Psychology
Sociology

Advising Notes
Students must satisfy each course's prerequisites before enrolling in the class.

Transfer Notes
Lower division courses do not substitute for upper division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
None

UNIVERSITY OF CENTRAL FLORIDA
Aerospace Engineering (B.S.A.E.)  
College of Engineering and Computer Science  
Department of Mechanical and Aerospace Engineering  
Engineering 1, Room: 381  
http://www.mae.ucf.edu  
Email: MAEadvising@ucf.edu
Dr. Hyoun Jhin “Joe” Cho, hjcho@ucf.edu, 407-823-8014  
Lynn Grabenhorst, Lynn.Gragenhorst@ucf.edu, 407-823-5448  
Phone: 407-823-5448

Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements

- Students in the Aerospace Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Aerospace Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Aerospace Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Aerospace Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>ENC 1101</th>
<th>Composition I</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1</td>
<td>SPC 1603C</td>
<td>Fundamentals of Technical Presentations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested</td>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term
B: Cultural & Historical Foundations (9 hrs)
Select two classes from Historical Foundations
Select one class from Cultural Foundations

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
Prefer ECO 2023 Principles of Microeconomics or 3 hrs
Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Suggested PHY 2049C General Physics Using Calculus I 4 hrs
Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  1 MAC 2311C Calculus with Analytic Geometry I GEP
  1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
  1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
  1 MAP 2302 Ordinary Differential Equations I 3 hrs
  1 PHY 2048C General Physics Using Calculus I GEP
  PHY 2049C General Physics Using Calculus II 4 hrs

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

Select one of the following sequences of courses:
  - Preferred course
    CHS 1440 Principles of Chemistry 4 hrs
  - First alternative: Select all of the following: 6 hrs
    CHM 2040 Chemistry Fundamentals IA and 3 hrs
    CHM 2341 Chemistry Fundamentals IB 3 hrs
  - Second alternative
    CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements listed in section 4, the technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.
EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (51 hrs)
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
EAS 3101 Fundamentals of Aerodynamics 3 hrs
EAS 3800C Aerospace Engineering Measurements 3 hrs
EAS 3810C Design of Aerospace Experiments 3 hrs
EAS 4105 Flight Mechanics 3 hrs
EAS 4134 High-Speed Aerodynamics 3 hrs
EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
EGM 3601 Solid Mechanics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EML 4225 Introduction to Vibrations and Controls 3 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 4142 Heat Transfer 3 hrs
EAS 4200 Analysis & Design of Aerospace Structures 3 hrs

5. Restricted Electives (12 hrs)
- Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered. http://mmae.ucf.edu/Academics/undergraduate.html

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

7. Foreign Language Language Requirements
- Admissions
  - None
- 8. Electives
  - None
- 9. Additional Requirements
  - None
- 10. Required Minors
  - None
- 11. Departmental Exit Requirements
  - 25% of course work must be in residency at UCF.
- 12. University Minimum Exit Requirements
  - A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded
  - 48 semester hours of upper division credit completed
  - 30 of the last 39 hours of course work must be completed in residency at UCF.
  - A 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 nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors in Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- Double Degree/Double Major requirements listed under college section of the catalog.

Career and Academic Advising
- The department requires all students in the program to meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
EAS 3933 Aerospace Career and Academic Faculty Advising I 0 hrs
EAS 4931 Aerospace Career and Academic Faculty Advising II 0 hrs

http://mmae.ucf.edu/Academics/undergraduate.html
## UCF Degree Programs

### Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses will be substituted by an approved Aerospace Engineering Elective for transfer students.

### Acceptable Substitutes for Transfer Courses
- None

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

#### Freshman Year - Fall
- EGS 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- **Select 1:**
  - CHS 1440 Principles of Chemistry or 4 hrs
  - CHM 2040 Chemistry Fundamentals I or 4 hrs
  - CHM 2045C Chemistry Fundamentals IA or 3 hrs
  - CHM 2041 Chemistry Fundamentals IB or 3 hrs
- **Preferred**
- **Freshman Year - Spring**
  - EGN 1007C Engineering Concepts and Methods 1 hr
  - ENC 1102 Composition II 3 hrs
  - MAC 2212 Calculus with Analytic Geometry II 4 hrs
  - PHY 2048C General Physics Using Calculus I 4 hrs
- **Select 1:**
  - SPC 1603C Fundamentals of Technical Presentations 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
- **Freshman Year - Summer**
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
  - **GEP**
  - **Sophomore Year - Fall**
  - MAP 2302 Ordinary Differential Equations I 3 hrs
  - PHY 2046C General Physics Using Calculus II 4 hrs
  - EGN 3310 Engineering Analysis-Statics 3 hrs
  - STA 3032 Probability and Statistics for Engineers 3 hrs
- **Sophomore Year - Spring**
  - EGN 3321 Engineering Analysis-Dynamics 3 hrs
  - EGN 3343 Thermodynamics 3 hrs
  - EGN 3373 Principles of Electrical Engineering 3 hrs
  - EGM 3601 Solid Mechanics 3 hrs
- **Sophomore Year - Summer**
  - **GEP**
  - **Select 1:**
    - ECO 2013 Principles of Macroeconomics or 3 hrs
    - ECO 2023 Principles of Microeconomics 3 hrs
- **Junior Year - Fall**
  - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
  - EAS 3800C Aerospace Engineering Measurements 3 hrs
  - EAS 3933 Aerospace Career and Academic Faculty Advising 0 hrs
  - EML 3701 Fluid Mechanics I 3 hrs
  - EAS 4200 Analysis & Design of Aerospace Structures 3 hrs
- **Junior Year - Spring**
  - EAS 3101 Fundamentals of Aerodynamics 3 hrs
  - EAS 3810C Design of Aerospace Experiments 3 hrs
  - EML 4225 Introduction to Vibrations and Controls 3 hrs
  - EML 4142 Heat Transfer 3 hrs
  - **GEP**
  - **Senior Year - Fall**
    - EAS 4105 Flight Mechanics 3 hrs
    - EAS 4134 High-Speed Aerodynamics 3 hrs
    - EAS 4931 Aerospace Career and Academic Faculty Advising II 0 hrs
    - EAS 4700C Aerospace Design I 3 hrs
    - Upper Division Elective 3 hrs
    - Upper Division Elective 3 hrs
  - **Senior Year - Spring**
    - EAS 4300 Aerothermodynamics of Propulsion 3 hrs
    - Systems
    - EAS 4710C Aerospace Design II 3 hrs
    - Upper Division Elective 3 hrs
    - Upper Division Elective 3 hrs

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

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Anthropology (B.A.)

#### College of Sciences

#### Department of Anthropology, Philips Hall, Room: 309

- [http://www.cos.ucf.edu/anthropology](http://www.cos.ucf.edu/anthropology)
- Sarah Barber, sarahstacy.barber@ucf.edu
- Phone: 407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations in Central America, South America and the Caribbean. This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See [http://ucf.edu/online](http://ucf.edu/online) for more information.

#### Admission Requirements
- None

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

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A:** Communication Foundations (9 hrs)
   - **B:** Cultural & Historical Foundations (9 hrs)
   - **C:** Mathematical Foundations (6 hrs)

2. **Math:** 3 hrs
   - Suggested MGF 1106 Finite Mathematics or 3 hrs
   - Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   - You may substitute a higher level math with appropriate scores on the Math Placement Exam.
### UCF Degree Programs

#### Statistics - Computers
- Suggested STA 2014C Principles of Statistics 3 hrs

#### D: Social Foundations
- Required ANT 2000 General Anthropology 3 hrs
- Select from GEP D.1 list 3 hrs

#### E: Science Foundations
- Required ANT 2511 The Human Species 3 hrs
- Select from GEP E.1 list 3 hrs

#### 2. Common Program Prerequisites (CPP)
- See Transfer Notes for possible substitutes
- See “Common Prerequisites” in the Transfer and Transitions Services section

#### 3. Core Requirements: Basic Level
- Core-Required, also satisfy the CPP
  - ANT 2511 The Human Species GEP/CPP
  - Take all of the following: 6 hrs
    - ANT 2140 Archaeology and the Rise of Human Culture and Society 3 hrs
    - ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs

#### 4. Core Requirements: Advanced Level
- (12 hrs)
  - Select 1:
    - ANT 3145 Archaeology of Complex Societies or ANT 3150 Archaeological Method and Theory 3 hrs
  - Select 1:
    - ANT 4516 Human Biological Diversity or ANT 4586C Human Origins 3 hrs

#### 5. Restricted Electives
- (24 hrs)
  - Select one from the following courses:
    - ANT 3148 Life and Death in Ancient Egypt 3 hrs
    - ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest 3 hrs
    - ANT 3158 Florida Archaeology 3 hrs
    - ANT 3160 Americas Before Columbus 3 hrs
    - ANT 3161 Ancient Mexico: Aztec to Zapotec 3 hrs
    - ANT 3163 Mesopotamian Archaeology 3 hrs
    - ANT 3164 Ancient Incas 3 hrs
    - ANT 3165 Archaeology of South America 3 hrs
    - ANT 3168 Maya Archaeology 3 hrs
    - ANT 3177 Archaeology of Caribbean Piracy 3 hrs
    - ANT 3311 Indians of the Southeastern United States 3 hrs
    - ANT 3312 Ethnology of North American Indians 3 hrs
    - ANT 3313 Indians of North America High Plains 3 hrs
    - ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs
    - ANT 3362 Peoples of Southeast Asia 3 hrs
    - ANT 4153 North American Archaeology 3 hrs
    - ANT 4332 People and Cultures of Latin America 3 hrs
    - ANT 4340 Caribbean Cultures 3 hrs
    - ANT 4352 African Societies and Cultures 3 hrs

#### Restricted Electives
- (21 hrs)
  - Select 7 additional upper-level Anthropology courses; these may include other area study courses from the list above or any other upper-level Anthropology courses that may be offered (see below for restrictions).

### Only one of the following may be taken:
- ANT 4115C Archaeological Method and Theory or ANT 3145 Archaeology of Complex Societies 3 hrs
- ANT 4516 Human Biological Diversity or ANT 4586C Human Origins 3 hrs

### Only one of the following may be taken:
- ANT 3905 Directed Independent Study or ANT 3955 Study Abroad or ANT 3943 Caribbean Archaeology Practicum or ANT 4180C Seminar in Laboratory Analysis or ANT 4824 Advanced Archaelogical Fieldwork or ANT 4906 Directed Independent Study or ANT 4912 Directed Independent Research or ANT 4955 Study Abroad or ANG 5822 Maya Field Research or ANG 5907 Independent Study or ANG 5917 Directed Research

### None of the following may be taken:
- ANT 4903H Honors Directed Reading I or ANT 4904H Honors Directed Reading II or ANT 4970H Undergraduate Honors Thesis

### Any of the following may be taken:
- ANT 2511L Physical Anthropology Lab 1 hr
- ANT 3026 Mummies, Zombies, and Vampires: Anthropology of the Undead
- ANT 3106 Archaeology and Popular Culture 3 hrs
- ANT 3142 Old World Prehistory 3 hrs
- ANT 3173 Archaeology of Sex 3 hrs
- ANT 3212 Peoples of the World 3 hrs
- ANT 3241 Magic, Ritual, and Belief 3 hrs
- ANT 3245 Native American Religions 3 hrs
- ANT 3262 Rural Society 3 hrs
- ANT 3273 Law and Culture 3 hrs
- ANT 3302 Sex, Gender and Culture 3 hrs
- ANT 3330 Anthropology of the Amazon 3 hrs
- ANT 3393 American Indian Literature and Culture in Florida
- ANT 3398 Black/Seminoles Relations 3 hrs
- ANT 3541 Biobehavioral Anthropology 3 hrs
- ANT 3550C Primatology 3 hrs
- ANT 3701 Engagement & Social Change: Public Anthropology
- ANT 4027 Mummies, Life After Death 3 hrs
- ANT 4013 Anthropology of Fast Food 3 hrs
- ANT 4183 Archaeological Sciences 3 hrs
- ANT 4184 Mortuary Archaeology 3 hrs
- ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
- ANT 4303 Anthropology of Tourism 3 hrs
- ANT 4408 Culture, Disease, and Healing 3 hrs
- ANT 4462 Medical Anthropology 3 hrs
- ANT 4467 Nutritional Anthropology 3 hrs
- ANT 4521 Forensic Anthropology 3 hrs
- ANT 4525C Human Osteology 4 hrs
- ANT 4560 Birth to Death: Anthropological Perspectives on Human Growth
- ANT 4702 Culture, Inequality and Global Development 3 hrs
- ANT 4802 Ethnographic Field Methods 3 hrs
- ANG 5186 Problems in Maya Studies 3 hrs
- ANG 5167 Maya Hieroglyphs 3 hrs
- ANG 5228 Maya Iconography 3 hrs
- ANG 5742 Problems in Forensic Anthropology 3 hrs

1 Alternately, seniors may select the 5000 level equivalent, but not both.

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement

#### Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or two semesters equivalent of American Sign Language.

#### Standardized examinations for foreign languages may be used to meet the requirement.

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

### 9. Additional Requirements
- None
10. Required Minors
- None

11. Departmental Exit Requirements
- Students must maintain a minimum cumulative GPA of 2.0 in all major requirements. All attempts of courses taken are included in the major GPA calculation. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives beyond 24 hrs) and a “C” (2.0) or better are earned are also included in the GPA calculation.
- Students will be required to take a standard exit exam.

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Social Sciences
- Sociology

Certificates
- Crime Scene Investigation
- Cultural Tourism
- Diplomacy
- Health Communications
- Judaic Studies
- Native American Studies
- Nonprofit Management
- Teaching English as a Foreign Language
- Women’s Studies

Related Minors
- The first four minors are not open to Anthropology majors:
  - Anthropology
  - Anthropology in Multicultural Studies
  - Medical Anthropology
  - North American Indian Studies
  - Africana Studies
  - American Studies
  - Asian Studies
  - Diplomacy
  - English - Linguistics
  - International and Global Studies
  - Judaic Studies
  - Latin American Area Studies
  - Medical Sociology
  - Middle Eastern Studies
  - Nonprofit Management/National Certification in Nonprofit Management
  - Sociology
  - Women’s Studies
  - World Comparative Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Although any two ANT courses satisfy the CPP, ANT 2511 is required in the core and must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- ANT 2000 General Anthropology 3 hrs
- ENC 1101 Composition I 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs

Freshman Year - Spring
- ANT 2511 The Human Species 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
- ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring
- ANT 3610 Language and Culture 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs

Junior Year - Fall
- Select 1:
  - ANT 4115C Archaeological Method and Theory or 3 hrs
  - ANT 3145 Archaeology of Complex Societies 3 hrs
  - Restricted Elective 3 hrs
  - Foreign Language 4 hrs
  - Restricted Elective 2 hrs
  - Elective / Minor 3 hrs

Junior Year - Spring
- ANT 4034 History of Anthropological Thought 3 hrs
- Restricted Elective 3 hrs
- Foreign Language 4 hrs
- Elective / Minor 3 hrs
- Elective / Minor 2 hrs

Senior Year - Fall
- Select 1:
  - ANT 4516 Human Biological Diversity or 3 hrs
  - ANT 4586C Human Origins 3 hrs
  - Restricted Elective 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Free Elective 3 hrs

Senior Year - Spring
- Free Elective 3 hrs
- Area Study Elective 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm
The Bachelor of Design in Architecture was created to meet the local need in Central Florida for an architecture program. The Bachelor of Design (B.Des.) degree program is a partnership with Valencia College and the University of Florida, as part of a 2+2+2 program to enable students to complete an NAAB accredited architectural program in Central Florida. Note: Architecture (B.Des.) majors must have continual access to a computer. Contact the Architecture advising office (407-582-5500) for the minimum hardware and software specifications.

### Admission Requirements
- Completion of an Associate of Arts (A.A.) in Architecture (or similar program) that meets the common course prerequisites of the Bachelor of Design in Architecture program.
- Submission of a completed UCF application packet.
- Participation in a competitive review prior to acceptance.
- Completion of the General Education Program (GEP) at UCF or equivalent.
- UCF admission files from other transfer students will be reviewed on an individual basis to determine if prerequisites and General Education Program requirements are met.
- Successful completion of PHY 2053 with a "C" (2.0) or better is required.

### Degree Requirements
- Students who change degree programs and select this major must adopt the current catalog.
- Departmental Residency Requirement consists of at least 36 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- Students must earn at least a "C" (2.0) in each required course and maintain an overall GPA of at least 2.0.
- Co-op credit cannot be used in this major.
- Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.
- Completion of at least 120 semester hours of course work, including all required courses.
- No more than 12 hours of overlap allowed in majors or minors completed in the School of Visual Arts and Design.

### 1. UCF General Education Program (GEP) (36 hrs)
- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific course will depend on the general education courses completed as part of their earlier coursework. If a student has an A.A. degree from any Florida college or university, they will have satisfied the GEP earlier coursework.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### 2. Common Program Prerequisites (CPP)
- None

### 3. Core Requirements: Basic Level (33 hrs)
- A.A. Courses (completed in the A.A. in Architecture from Valencia College).
- ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in Valencia College’s architecture program but required for the B.Des. at UCF. See courses below.
- ARC 1201 Theory of Architecture 2 hrs

### 4. Core Requirements: Advanced Level (45 hrs)
- Completed as part of the Bachelor of Design program at UCF.
- ARC 3181 Advanced Topics in Digital Architecture 3 hrs
- ARC 3320L Architectural Design 5 6 hrs
- ARC 3321L Architectural Design 6 6 hrs
- ARC 3463 Materials and Methods of Construction 2 3 hrs
- ARC 3503 Architectural Structures 3 hrs
- ARC 3610 Environmental Technology 1 3 hrs
- ARC 3743 Architectural History 3 3 hrs
- ARC 4220 Architectural Theory 2 3 hrs
- ARC 4322L Architectural Design 7 6 hrs
- ARC 4323L Architectural Design 8 6 hrs
- ARC 4620 Environmental Technology 2 3 hrs

### 5. Restricted Electives
- None

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

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

#### Graduation
- None

#### 8. Electives
- Select primarily from upper level courses after meeting with the program advisor.

### 9. Additional Requirements
- None

#### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- None

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

### Total Semester Hours Required
- 120

#### Honors In Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at [http://research.honors.ucf.edu/honors-in-the-major](http://research.honors.ucf.edu/honors-in-the-major).

### Related Programs
- None

### Certificates
- Public and Professional Writing

### Related Minors
- Art - Studio
- Art History
- Cognitive Sciences
- Digital Media
- Film - Cinema Studies
- Humanities
- Philosophy
- English - Technical Communication
- Writing and Rhetoric
UF Degree Programs

Advising Notes
- http://svad.cah.ucf.edu/students
- architecture@ucf.edu

Transfer Notes
- Grades less than a "C" (2.0) are not accepted.
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Plan of Study

Freshman Year - Fall
- ARC 1301 Architectural Design 01 (Valencia College) 4 hrs
- ARC 1701 Architectural History 01 (Valencia College) 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1140C Pre-Calculus Algebra 3 hrs
- GEP 3 hrs

Freshman Year - Spring
- ARC 1302 Architectural Design 02 (Valencia College) 4 hrs
- ARC 1201 Theory of Architecture (Valencia College) 2 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- GEP 3 hrs

Freshman Year - Summer
- GEP 3 hrs

Sophomore Year - Fall
- ARC 2303 Architectural Design 03 (Valencia College) 5 hrs
- ARC 2702 Architectural History 02 (Valencia College) 3 hrs
- ARC 2461 Material and Methods of Construction (Valencia College) 4 hrs
- MAC 1114C College Trigonometry 3 hrs
- PHY 2053C College Physics with Algebra and Trigonometry 4 hrs

Sophomore Year - Spring
- ARC 2180 Introduction to Digital Architecture (Valencia College) 3 hrs
- ARC 2204 Architectural Design 04 (Valencia College) 5 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall
- ARC 3320L Architectural Design 5 6 hrs
- ARC 3503 Architectural Structures 3 hrs
- ARC 3181 Advanced Topics in Digital Architecture 3 hrs

Junior Year - Spring
- ARC 3321L Architectural Design 6 6 hrs
- ARC 3610 Environmental Technology 1 3 hrs
- ARC 3743 Architectural History 3 3 hrs

Junior Year - Summer

Senior Year - Fall
- ARC 4322L Architectural Design 7 6 hrs
- ARC 4220 Architectural Theory 2 3 hrs
- ARC 4620 Environmental Technology 2 3 hrs

Senior Year - Spring
- ARC 4323L Architectural Design 8 6 hrs
- ARC 3463 Materials and Methods of Construction 2 3 hrs

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

Equipment Fees
- Full-Time Student: $90 per term

Art - Emerging Media Track (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The Emerging Media track allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to: Provide a solid foundation in techniques and theory in one focused area of competence. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree.

Admission Requirements
- Character Animation: students must satisfactorily complete the mandatory DIG3951 - Character Animation Portfolio Review before enrolling in any Character Animation restricted electives. The Character Animation portfolio review is only held in Spring, and typically takes place near the end of February.
- Experimental Animation: all junior level Experimental Animation students must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in Experimental Animation restricted electives. 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 GRA3950 - Graphic Design Portfolio Application course before enrolling in any Graphic Design restricted electives. The Graphic Design portfolio review is only held in Spring, and typically takes place near the end of February.
- Students unable to satisfactorily complete ART 3950-Portfolio Review, DIG 3951 - Character Animation Portfolio Review, or GRA 3950 - Graphic Design Portfolio Application, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- "C-" (1.75) or below grades from other institutions do not meet departmental requirements.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog by filing a catalog year change with their degree change form.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Students must earn at least a "C" (2.0) in each required course except DIG 2000, which requires a "B" (3.0) or better.
UCF Degree Programs

- BFA students must achieve a 3.0 GPA in all major requirements.
- Co-op credit cannot be used in this major.
- Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)

   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)

   Take all of the following: 9 hrs
   - Required ARCH 2050 History of Western Art I and 3 hrs
   - Required ARCH 2051 History of Western Art II and 3 hrs
   - Select a course from group B.1 3 hrs

   C: Mathematical Foundations (7 hrs)

   Take all of the following: 7 hrs
   - Required MAC 1105C College Algebra and 3 hrs
   - Required COP 2500C Concepts in Computer Science 4 hrs

   D: Social Foundations (6 hrs)

   E: Science Foundations (6 hrs)

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

   - ARCH 2050 History of Western Art I and 3 hrs
   - ARCH 2051 History of Western Art II GEP
   - ARCH 2201C Design Fundamentals-Two Dimensional 3 hrs
   - ARCH 2203C Design Fundamentals-Three Dimensional 3 hrs
   - ART 2300 Drawing Fundamentals I 3 hrs
   - ART 2301 Drawing Fundamentals II 3 hrs
   - GRA 2101C Introduction to Computer Art 3 hrs
   - Any ART prefix, studio, or media courses at the 2000-4000 levels
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information

3. Core Requirements: Basic Level (12 hrs)
   - COP 2500C Concepts in Computer Science GEP
   - MAC 1105C College Algebra GEP
   - DIG 2000 Introduction to Digital Media 3 hrs
   - DIG 2030 Digital Video Fundamentals 3 hrs
   - DIG 2109 Digital Imaging Fundamentals 3 hrs
   - DIG 2500 Fundamentals of Interactive Design 3 hrs

4. Core Requirements: Advanced Level (12 hrs)
   - DIG 3024 Digital Cultures & Narrative 3 hrs
   - DIG 3480 Computer as a Medium 3 hrs
   - DIG 3525 Digital Media Production I 3 hrs
   - DIG 4780C Modeling for Realtime Systems 3 hrs

5. Restricted Electives (39 hrs)

   - Specializations
     - Experimental Animation
       - Complete 15 hours of credits from the following areas: 15 hrs
       - Experimental Animation Core - 18 hours
       - Experimental Animation Restricted Electives - 15 hours
     - Character Animation
       - Complete 15 hours of credits from the following areas: 15 hrs
       - Character Animation Basic Concentration - 24 hours

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

Total Semester Hours Required

 honors in Major

Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-major.
### Related Programs
- Art
- English - Technical Communication

### Certificates
- None

### Related Minors
- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music

### Advising Notes
- [http://svad.cah.ucf.edu/students](http://svad.cah.ucf.edu/students)
- svadadvising@ucf.edu
- http://svad.cah.ucf.edu/students

### Transfer Notes
- Grades less than a “C” (2.0) are not accepted.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- None

### Character Animation

#### Freshman Year - Fall
- **15 hrs**
  - ARH 2050 History of Western Art I 3 hrs
  - ART 2201C Design Fundamentals-Two Dimensional 3 hrs
  - ENC 1101 Composition I 3 hrs
  - MAC 1105C College Algebra 3 hrs
  - GEP Science Foundation 3 hrs

#### Freshman Year - Spring
- **16 hrs**
  - ARH 2051 History of Western Art II 3 hrs
  - ART 2203C Design Fundamentals-Three Dimensional 3 hrs
  - ART 2300C Drawing Fundamentals I 3 hrs
  - COP 2500C Concepts in Computer Science 4 hrs
  - ENC 1102 Composition II 3 hrs

#### Freshman Year - Summer
- **9 hrs**
  - GEP Communication Foundation 3 hrs
  - GEP Cultural & Historical Foundation 3 hrs
  - GEP Science Foundation 3 hrs

#### Sophomore Year - Fall
- **15 hrs**
  - ART 2301C Drawing Fundamentals II 3 hrs
  - DIG 2000 Introduction to Digital Media 3 hrs
  - DIG 2030 Digital Video Fundamentals 3 hrs
  - DIG 2109 Digital Imaging Fundamentals 3 hrs
  - DIG 2500 Fundamentals of Interactive Design 3 hrs

#### Sophomore Year - Spring
- **15 hrs**
  - DIG 3024 Digital Cultures & Narrative 3 hrs
  - DIG 3480 Computer as a Medium 3 hrs
  - DIG 3525 Digital Media Production I 3 hrs
  - DIG 4780C Modeling for Realtime Systems 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs

#### Sophomore Year - Summer
- **6 hrs**
  - GEP Social Foundations 3 hrs
  - GEP Science Foundation 3 hrs

#### Junior Year - Fall
- **12 hrs**
  - ART 3643C Digital Effects & Compositing 3 hrs
  - DIG 3355C Artificial Environments and Effects 3 hrs
  - DIG 3433C Visual Storytelling and Visual Development 3 hrs
  - DIG 3951C Character Animation Portfolio Review 3 hrs
  - FIL 3720C Introduction to Animation 3 hrs

#### Junior Year - Spring
- **15 hrs**
  - DIG 4325C Look Modeling Workshop 3 hrs
  - DIG 4326C Geometrical Modeling Workshop 3 hrs
  - DIG 4359C Artificial Environments and Effects Workshop 3 hrs
  - DIG 4451C Visual Storytelling and Visual Development Workshop 3 hrs
  - FIL 3734C Intermediate Animation 3 hrs

### Bachelor of Fine Arts in Experimental Animation

#### Junior Year - Summer
- Foreign Language Elementary Level I 4 hrs
- Foreign Language Elementary Level II 4 hrs

#### Senior Year - Fall
- **12 hrs**
  - DIG 4206C New Imagery in Motion Workshop 3 hrs
  - DIG 4488C Visual Language of Moving Image II 3 hrs
  - Any 2000-4000 Level Art Studio or Media Course 3 hrs
  - Elective 3 hrs

#### Senior Year - Spring
- **12 hrs**
  - DIG 4394C Motion Graphics: Advanced Compositing 3 hrs
  - DIG 4434C Narrative Techniques in the Moving Image 3 hrs
  - Elective 3 hrs
  - Elective 3 hrs

### Experimental Animation

#### Freshman Year - Fall
- **15 hrs**
  - ARH 2051 History of Western Art II 3 hrs
  - ENC 1102 Composition II 3 hrs
  - MAC 1105C College Algebra 3 hrs
  - GEP Social Foundation 3 hrs
  - GEP Social Foundation 3 hrs

#### Freshman Year - Spring
- **16 hrs**
  - ARH 2051 History of Western Art II 3 hrs
  - ART 2201C Design Fundamentals-Two Dimensional 3 hrs
  - COP 2500C Concepts in Computer Science 4 hrs
  - DIG 2000 Introduction to Digital Media 3 hrs
  - ENC 1102 Composition II 3 hrs

#### Sophomore Year - Fall
- **15 hrs**
  - ART 2300C Design Fundamentals-Three Dimensional 3 hrs
  - DIG 2030 Digital Video Fundamentals 3 hrs
  - DIG 2109 Digital Imaging Fundamentals 3 hrs
  - DIG 2500 Fundamentals of Interactive Design 3 hrs

#### Sophomore Year - Spring
- **12 hrs**
  - ART 2301C Drawing Fundamentals II 3 hrs
  - DIG 4780C Modeling for Realtime Systems 3 hrs
  - DIG 3480 Computer as a Medium 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs

#### Sophomore Year - Summer
- **6 hrs**
  - GEP Social Foundation 3 hrs
  - GEP Science Foundation 3 hrs

#### Junior Year - Fall
- **15 hrs**
  - ART 3643C Digital Effects & Compositing 3 hrs
  - ART 3950 Portfolio Review 0 hrs
  - DIG 3024 Digital Cultures & Narrative 3 hrs
  - DIG 4325C Look Modeling Workshop 3 hrs
  - FIL 3720C Introduction to Animation 3 hrs

#### Junior Year - Spring
- **15 hrs**
  - DIG 3525 Digital Media Production I 3 hrs
  - FIL 3734C Intermediate Animation 3 hrs
  - Any 2000-4000 Level Art Studio or Media Course 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs

#### Junior Year - Summer
- **4 hrs**
  - Foreign Language Elementary Level I 4 hrs

#### Senior Year - Fall
- **13 hrs**
  - FIL 4735C Experimental Animation 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Foreign Language Elementary Level II 4 hrs

#### Senior Year - Spring
- **12 hrs**
  - ART 4935B BFA Exhibit/Seminar 3 hrs
  - FIL 4775C Experimental Animation Workshop 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
UCF Degree Programs

Graphic Design

Freshman Year - Fall 15 hrs
ARH 2050 History of Western Art I 3 hrs
ENC 1101 Composition I 3 hrs
MAC 1105C College Algebra 3 hrs
GEP Cultural & Historical Foundation 3 hrs
GEP Social Foundation 3 hrs

Freshman Year - Spring 13 hrs
ARH 2051 History of Western Art II 3 hrs
COP 2500C Concepts in Computer Science 4 hrs
ENC 1102 Composition II 3 hrs
GEP Social Foundation 3 hrs

Freshman Year - Summer 6 hrs
GEP Science Foundation 3 hrs
GEP Science Foundation 3 hrs

Sophomore Year - Fall 15 hrs
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
GEP Communication Foundation 3 hrs

Sophomore Year - Spring 15 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs

Sophomore Year - Summer 8 hrs
Foreign Language Elementary Level I 4 hrs
Foreign Language Elementary Level II 4 hrs

Junior Year - Fall 12 hrs
DIG 3480 Computer as a Medium 3 hrs
GRA 3102C Intermediate Graphic Design I 3 hrs
GRA 3202C Type & Design 3 hrs
GRA 3950 Graphic Design Portfolio Application 0 hrs
Any 2000-4000 Level Art Studio or Media Course 3 hrs

Junior Year - Spring 15 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs
GRA 3112C Advanced Graphic Design 3 hrs
GRA 3803C Intermediate Computer Graphic Design 3 hrs
Restricted Elective 3 hrs
GRH Upper Level Restricted Elective

Senior Year - Fall 15 hrs
DIG 3024 Digital Cultures & Narrative 3 hrs
GRA 4198C Advanced Graphic Design 3 hrs
ArH Upper Level Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 12 hrs
DIG 3525 Digital Media Production I 3 hrs
GRA 4197C Special Problems in Graphic Design 3 hrs
Restricted Elective 3 hrs
ARH Upper Level Restricted Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - History Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of ARH specialization.
- Grades below "C" (2.0) in lower level courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor at least once annually.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations
   - Required ARH 2050 History of Western Art I 3 hrs
   - Required ARH 2051 History of Western Art II 3 hrs
   - Select a course from group B.1 3 hrs

   B: Cultural & Historical Foundations
   - Required ARH 2050 History of Western Art I 3 hrs
   - Required ARH 2051 History of Western Art II 3 hrs
   - Select a course from group B.1 3 hrs

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

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

D: Social Foundations
   - Required ARH 2051 History of Western Art II 3 hrs
   - Required ARH 2050 History of Western Art I 3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)
   - Required ARH 2050 History of Western Art I 3 hrs
   - Required ARH 2051 History of Western Art II 3 hrs
   - Required ARH 2050 History of Western Art I 3 hrs
   - Required ARH 2051 History of Western Art II 3 hrs
   - Select a course from group B.1 3 hrs

3. Core Requirements: Basic Level (3 hrs)
   - ARH 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   - ARH 4310 Italian Renaissance Art 3 hrs
   - ARH 4430 19th Century Art 3 hrs
   - ARH 4450 20th Century Art 3 hrs
   - ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
   - ENC 3315 Argumentative Writing 3 hrs

5. Restricted Electives (24 hrs)
   - Select one Non-Western/Ancient Art History course from the following:
     - ARH 3670 20th Century Latin American Art 3 hrs
     - ARH 4130 Greek Art and Architecture 3 hrs
     - ARH 4150 Roman Art and Architecture 3 hrs
     - ARH 4653 Meso American Art 3 hrs

   One of the following courses: 3 hrs
   - ARH 4200 Medieval Art 3 hrs
   - ARH 4350 Baroque Art 3 hrs
   - ARH 4871 Women in Art 3 hrs
Select 18 additional hours from the following: 18 hrs

- ARH 3471  Art in the Last 25 Years  3 hrs
- ARH 3610  American Art  3 hrs
- ARH 3670  20th Century Latin American Art  3 hrs
- ARH 3710  History of Photography I  3 hrs
- ARH 3713  20th Century Photographic History  3 hrs
- ARH 3720  History of Prints  3 hrs
- ARH 3728  History of Illustration  3 hrs
- ARH 3820  Visual Arts Administration Vitas  3 hrs
- ARH 4130  Greek Art and Architecture  3 hrs
- ARH 4150  Roman Art and Architecture  3 hrs
- ARH 4200  Medieval Art  3 hrs
- ARH 4350  Baroque Art  3 hrs
- ARH 4352  Italian Baroque Art  3 hrs
- ARH 4653  Meso American Art  3 hrs
- ARH 4871  Women in Art  3 hrs
- ARH 5897  Advanced Seminar in Art History  3 hrs
- ARH 3XXX-4XXX Additional Art History course  3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor.

Standardized examinations for foreign languages may be used to meet the requirement.

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

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve at least a "C" (2.0) GPA average in courses in the major.

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

Total Semester Hours Required
- 120

Honors In Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-major.

Related Programs
- Art Education
- Art - Studio Art Track
- Art - Visual Arts and Emerging Media Management Track

Certificates
- None

Related Minors
- Art - Studio
- Community Arts - PAVE

Advising Notes
- http://svad.cah.ucf.edu/students
- svadadvising@ucf.edu

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 15 hrs
- ARH 2050  History of Western Art I  3 hrs
- ENC 1101  Composition I  3 hrs
- GEP Social Foundation  3 hrs
- GEP Mathematical Foundation  3 hrs
- Elective  3 hrs

Freshman Year - Spring 15 hrs
- ARH 2500  History of Non-Western Art  3 hrs
- ENC 1102  Composition II  3 hrs
- GEP Social Foundation  3 hrs
- GEP Mathematical Foundation  3 hrs

Freshman Year - Summer 8 hrs
- Foreign Language Elementary Level I  4 hrs
- Foreign Language Elementary Level II  4 hrs

Sophomore Year - Fall 15 hrs
- ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
- ENC 3315  Argumentative Writing  3 hrs
- ARH Restricted Elective  3 hrs
- GEP Communication Foundation  3 hrs
- GEP Science Foundation  3 hrs

Sophomore Year - Spring 15 hrs
- ART 2300C  Drawing Fundamentals I  3 hrs
- Foreign Language Intermediate I  3 hrs
- GEP Cultural & Historical Foundation  3 hrs
- GEP Science Foundation  3 hrs
- ARH Restricted Elective  3 hrs

Junior Year - Fall 15 hrs
- ARH 4430  19th Century Art  3 hrs
- ARH (Non-Western/Ancient)  3 hrs
- ARH Restricted Elective  3 hrs
- Elective  3 hrs
- Upper Level Elective  3 hrs

Junior Year - Spring 12 hrs
- ARH 4310  Italian Renaissance Art  3 hrs
- ARH Restricted Elective  3 hrs
- Elective  3 hrs
- Upper Level Elective  3 hrs

Senior Year - Fall 15 hrs
- ARH 4800  Theory and Criticism of the Visual Arts  3 hrs
- Elective  3 hrs
- Upper Level Elective  3 hrs
- ARH Restricted Elective  3 hrs

Senior Year - Spring 15 hrs
- ARH 4450  20th Century Art  3 hrs
- Elective  3 hrs
- Elective  3 hrs
- Upper Level Elective  3 hrs
- ARH Restricted Elective  3 hrs

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

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term
Art - Studio Art Track (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- All students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Students unable to satisfactorily complete ART 3950-Portfolio Review may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- Students may apply to the BFA Program as early as the first semester of their Junior year if they maintain a 3.0 overall average in upper level courses in the major. Students who do not meet these requirements may petition the BFA committee for acceptance.
- “C-” (1.75) or below grades from other institutions do not meet departmental requirements.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog by filing a catalog change with their degree change form.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Students must earn at least a “C” (2.0) in each required course; however a GPA of 3.0 or higher must be achieved in the major requirements.
- BFA students must achieve a 3.0 GPA in all major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor, and an 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 (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)

Take all of the following: 9 hrs
- Required ARH 2050 History of Western Art I and 3 hrs
- Required ARH 2051 History of Western Art II and 3 hrs
- Select a course from group B.1 3 hrs

C: Mathematical Foundations (6 hrs)

Math 3 hrs
- Select a course from the following:
- MGF 1106 Finite Mathematics or 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

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

ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
Any ART prefix, studio, or media courses at the 2000-4000 levels
See “Common Prerequisites” in the Transfer and Transitions Services section for more information

3. Core Requirements: Basic Level (6 hrs)

ARH 2500 History of Non-Western Art 3 hrs
ART 2823 Art as Interface 3 hrs

4. Core Requirements: Advanced Level (18 hrs)

ART 3500 Portfolio Review 0 hrs

5. Restricted Electives (42 hrs)

a. Specialization:

- Select six upper division courses from one area:

Book Arts
- ART 3170C Book Binding or 3 hrs
- ART 3171C Materials for Artist Books or 3 hrs
- ART 3175C Advanced Issues in Contemporary Book Arts or 3 hrs
- ART 3176C The Illuminated Book or 3 hrs
- ART 3737C Narrative Sculpture or 3 hrs
- ART 4172C Book Repair and Restoration or 3 hrs
- ART 4173C The Artist Book or 3 hrs
- ART 4174C The Printed Book or 3 hrs
- ART 4177C Commercial Book Design and Publishing or 3 hrs
- ART 4644C Books Without Books 3 hrs

Ceramics/Sculpture Combination
- ART 3761C Intermediate Ceramics or 3 hrs
- ART 3764C Ceramic Handbuilding I or 3 hrs
- ART 4786C Ceramic Raw Material or 3 hrs
- ART 3708C Intermediate Sculpture or 3 hrs
- ART 4710C Advanced Sculpture 3 hrs

Drawing
- ART 3332C Intermediate Drawing or 3 hrs
- ART 4320C Advanced Drawing or 3 hrs

Drawing/Printmaking Combination
- ART 3332C Intermediate Drawing or 3 hrs
- ART 4320C Advanced Drawing or 3 hrs
- ART 3433C Screenprinting or 3 hrs
- ART 4402C Advanced Printmaking 3 hrs

Drawing/Illustration Combination
- ART 3332C Intermediate Drawing or 3 hrs
- ART 4320C Advanced Drawing or 3 hrs
- GRA 3474C Intermediate Illustration I or 3 hrs
- GRA 4154C Advanced Illustration 3 hrs

Painting
- ART 3504C Intermediate Painting or 3 hrs
- ART 4505C Advanced Painting 3 hrs

Photography
- PGY 3410C Intermediate Photography or 3 hrs
- PGY 4420C Advanced Photography or 3 hrs
- PGY 4440C Special Problems in Photography 3 hrs

1. May be repeated for credit.
c. Additional Electives 9 hrs
- Select three upper division Art History courses or
- Select one upper division course in Art History or Modern Languages and Literatures or Judaic Studies. Standardized examinations for languages may be used to meet the requirement.

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

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements (3 hrs)
- Achieve at least a "B" (3.0) GPA in all major requirements.
- 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. This requirement is met by registering in ART 4935 - BFA Exhibit/Seminar. Please note that the seminar is only offered during the Spring semester.

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

Total Semester Hours Required
- 120

Honors in Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-major.

Related Programs
- Art - History Track
- Art - Emerging Media Track
- Art - Visual Arts and Emerging Media Management Track

Certificates
- None

Related Minors
- Community Arts - PAVE

Advising Notes
- http://svad.cah.ucf.edu/students
- svadadvising@ucf.edu

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

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

Plan of Study
Freshman Year - Fall 15 hrs
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP Mathematical Foundation 3 hrs
- GEP Social Foundation 3 hrs
- Elective 3 hrs

Freshman Year - Spring 15 hrs
- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP Mathematical Foundation 3 hrs
- GEP Social Foundation 3 hrs

Sophomore Year - Fall 15 hrs
- ART 2203C Design Fundamentals-Two Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2823 Art as Interface 3 hrs
- GEP Communication Foundation 3 hrs
- GEP Science Foundation 3 hrs

Sophomore Year - Spring 15 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- GEP Cultural & Historical Foundation 3 hrs
- GEP Science Foundation 3 hrs

Junior Year - Fall 13 hrs
- ART 3950 Portfolio Review 0 hrs
- ARH Upper Level Restricted Elective 3 hrs
- Foreign Language Elementary Level I 4 hrs
- Specialization Restricted Elective 3 hrs
- Any 2000-4000 Level Art Studio or Media Course 3 hrs

Junior Year - Spring 16 hrs
- ARH Upper Level Restricted Elective 3 hrs
- Foreign Language Elementary Level II 4 hrs
- Specialization Restricted Elective 3 hrs
- Specialization Restricted Elective 3 hrs

Senior Year - Fall 18 hrs
- ARH Upper Level Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Specialization Restricted Elective 3 hrs
- Specialization Restricted Elective 3 hrs
- Upper Level Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
- ART 4935 BFA Exhibit/Seminar 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Specialization Restricted Elective 3 hrs
- Upper Level Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term
Art - Studio Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building,
Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Note: Although the School maintains a computer lab for student use, students must have continual access to a laptop computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- All students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to 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.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Arts and Design. Nine of these hours must be in an area of specialization.
- Grades below “C” (2.0) in lower level ART and ARH courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor at least once annually.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Required ARH 2050 History of Western Art I
Required ARH 2051 History of Western Art II
Select a course from group B.1
C: Mathematical Foundations (6 hrs)
Math:
Suggested MGF 1106 Finite Mathematics or
Suggested MGF 1107 Explorations in Mathematics or
You may substitute a higher level math with appropriate scores on the Math Placement Test.

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

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (18 hrs)
ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
Any ART 2XXX-4XXX studio or media course. 3 hrs

3. Core Requirements: Basic Level (6 hrs)
ART 2823 Art as Interface 3 hrs
ART 3950 Portfolio Review 0 hrs

4. Core Requirements: Advanced Level
- None

5. Restricted Electives (27 hrs)
- Select nine upper division courses representative from at least three different areas:

Art History
Any upper-level ARH course(s)

Book Arts
ART 3170C Book Binding 3 hrs
ART 3171C Materials for Artist Books 3 hrs
ART 3175C Advanced Issues in Contemporary Book Arts 3 hrs
ART 3176C The Illuminated Book 3 hrs
1 ART 3737C Narrative Sculpture 3 hrs
ART 4172C Book Repair and Restoration 3 hrs
ART 4173C The Artist Book 3 hrs
ART 4174C The Printed Book 3 hrs
ART 4177C Commercial Book Design and Publishing 3 hrs
1 ART 4644C Books Without Books 3 hrs
1 May be repeated for credit.

Ceramics
ART 3761C Intermediate Ceramics 3 hrs
1 ART 4760C Advanced Ceramics 3 hrs
1 May be repeated for credit.

Drawing and Printmaking
ART 3332C Intermediate Drawing 3 hrs
ART 3433C Screenprinting 3 hrs
1 ART 4320C Advanced Drawing 3 hrs
1 ART 4402C Advanced Printmaking 3 hrs
1 May be repeated for credit.

Illustration
GRA 3747C Intermediate Illustration I 3 hrs
1 GRA 4154C Advanced Illustration 3 hrs
1 May be repeated for credit.

Painting
ART 3504C Intermediate Painting 3 hrs
1 ART 4505C Advanced Painting 3 hrs
1 May be repeated for credit.

Photography
PGY 3410C Intermediate Photography 3 hrs
1 PGY 4420C Advanced Photography 3 hrs
PGY 4440C Special Problems in Photography 3 hrs
1 May be repeated for credit.

Sculpture
ART 3709C Intermediate Sculpture 3 hrs
1 ART 4710C Advanced Sculpture 3 hrs
1 May be repeated for credit.

Time Arts
ART 3161 Mixed Media 3 hrs
ART 3833C Processes and Ideas in Art 3 hrs
1 FIL 4735C Experimental Animation 3 hrs
1 FIL 4750C Experimental Animation Workshop 3 hrs
1 May be repeated for credit.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

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.
UCF Degree Programs

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. May be outside of the school. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted.)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve at least a GPA (2.0) overall in courses within the major.

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

Total Semester Hours Required
- 120

Honors In Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-major.

Related Programs
- Art Education
- Art - Emerging Media Track

Certificates
- None

Related Minors
- Digital Media

Advising Notes
- http://svad.cah.ucf.edu/students
- svadadvising@ucf.edu

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
For common program prerequisites if taken.
- GRA 2101C Introduction to Computer Art 3 hrs
  Plan of Study
  Freshman Year - Fall
  12 hrs
  ARH 2050 History of Western Art I 3 hrs
  ENC 1101 Composition I 3 hrs
  MGF 1106 Finite Mathematics 3 hrs
  GEP Cultural & Historical Foundation 3 hrs
  Freshman Year - Spring
  15 hrs
  ARH 2051 History of Western Art II 3 hrs
  ART 2201C Design Fundamentals-Two Dimensional 3 hrs
  ART 2823 Art as Interface 3 hrs
  ENC 1102 Composition II 3 hrs
  GEP Statistics-Computer

Sophomore Year - Fall
  15 hrs
  ARH 2500 History of Non-Western Art 3 hrs
  ART 2203C Design Fundamentals-Three Dimensional 3 hrs
  ART 2300C Drawing Fundamentals I 3 hrs
  GEP Science Foundation 3 hrs
  GEP Social Foundation 3 hrs
  Sophomore Year - Spring
  15 hrs
  ART 2301C Drawing Fundamentals II 3 hrs
  GRA 2101C Introduction to Computer Art 3 hrs
  GEP Communication Foundation 3 hrs
  GEP Science Foundation 3 hrs
  GEP Social Foundation 3 hrs
  Any 2000-4000 Level Art Studio or Media Course 3 hrs

Junior Year - Fall
  16 hrs
  Restricted Elective 3 hrs
  Restricted Elective 3 hrs
  ART 3950 Portfolio Review 0 hrs
  Foreign Language Elementary Level I 4 hrs
  Upper Level Elective 3 hrs
  Upper Level Elective 3 hrs

Junior Year - Spring
  16 hrs
  Restricted Elective 3 hrs
  Restricted Elective 3 hrs
  Foreign Language Elementary Level II 4 hrs
  Upper Level Elective 3 hrs
  Upper Level Elective 3 hrs

Senior Year - Fall
  15 hrs
  Restricted Elective 3 hrs
  Restricted Elective 3 hrs
  Upper Level Elective 3 hrs
  Upper Level Elective 3 hrs

Senior Year - Spring
  15 hrs
  Restricted Elective 3 hrs
  Restricted Elective 3 hrs
  Upper Level Elective 3 hrs
  Restricted Elective 3 hrs
  Any 2000-4000 Level Art Studio or Media Course 3 hrs

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

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - Visual Arts and Emerging Media Management Track (B.A.)

College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
B: Social Foundations (6 hrs)
C: Mathematical Foundations (6 hrs)
D: Science Foundations (6 hrs)
E: Science Foundations (6 hrs)

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

Suggested ARH 2050 History of Western Art I and 3 hrs
Suggested ARH 2051 History of Western Art II and 3 hrs
Select a course from group B.1 3 hrs

3. Core Requirements: Basic Level (6 hrs)

ART 2823 Art as Interface 3 hrs
ART 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (3 hrs)

1 ART 3950 Portfolio Review 0 hrs
2 ENT 313 Creativity and Entrepreneurship 3 hrs

5. Restricted Electives (21 hrs)

Select restricted electives as required from each of these four areas of emphasis:

Aesthetics and Theory (6 hrs)
Select 2: 6 hrs

Select restricted electives as required from each of these four areas of emphasis:

Written Communication (3 hrs)
Select 1: 3 hrs

Select restricted electives as required from each of these four areas of emphasis:

Information Management (6 hrs)
Select 2: 6 hrs
Advising Notes
- [http://svad.cah.ucf.edu/students](http://svad.cah.ucf.edu/students)
- svadadvising@ucf.edu

Transfer Notes
- Grades less than a “C” (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - GRA 2101C: may substitute 3 hours of any digital art course, however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Plan of Study

Freshman Year - Fall 12 hrs
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- GEP Social Foundation 3 hrs

Freshman Year - Spring 15 hrs
- ARH 2051 History of Western Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- ART 2823 Art as Interface 3 hrs
- GEP Social Foundation 3 hrs
- GEP Statistics-Computer 3 hrs

Sophomore Year - Fall 15 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- GEP Communication Foundation 3 hrs
- GEP Science Foundation 3 hrs

Sophomore Year - Spring 15 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- GEP Science Foundation 3 hrs
- GEP Cultural & Historical Foundation 3 hrs

Junior Year - Fall 16 hrs
- GEB 3031 Integrated Business Foundations 3 hrs
- Foreign Language Elementary Level I 4 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

Junior Year - Spring 19 hrs
- Foreign Language Elementary Level II 4 hrs
- Elective 3 hrs
- Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

Senior Year - Spring 15 hrs
- DIG 4855 Converging Media Capstone 3 hrs
- Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Athletic Training (B.S.)

College of Health and Public Affairs
Department of Health Professions,
Health and Public Affairs II, Room: 118/119
[http://www.coopa.ucf.edu/athletictraining](http://www.coopa.ucf.edu/athletictraining)

Email: atinfo@ucf.edu
Dr. Kristen C. Schellhase
Phone: 407-823-2214

Admission Requirements
- Students may only begin the Athletic Training Program in the Summer B semester.
- A separate application to this competitive restricted access program must be made to the Athletic Training Program by March 1st. Acceptance into the University for the summer semester is necessary before acceptance into the Athletic Training Program can occur. Acceptance into the University does not constitute acceptance into the Athletic Training Program.
- The Athletic Training Program is planning to transition to a Master of Athletic Training (MAT) degree in the 2019-2020 academic year. Students must meet the requirements below, apply by March 1, 2018, and complete the Bachelor of Science degree program by the end of spring of 2020. Students who are concerned about the timeline should seek academic advising.
- Students must meet the following requirements: a minimum of a 2.75 overall grade point average after all transfer courses are evaluated; a minimum grade of “C” (2.0) in the Common Program Prerequisites (CPP); and a minimum of 100 documented clock hours volunteering/shadowing with a certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a high school, college, and/or professional setting.
- Completion of an AA degree from a Florida College or completion of UCF’s General Education Program (GEP) must occur before beginning the Athletic Training Program.
- The Athletic Training 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.

Technical Standards Requirement
- The Americans with Disabilities Act of 1990 provides comprehensive civil rights protection to people with disabilities. The ADA “prohibits all programs or activities receiving federal financial assistance from discrimination against individuals with disabilities who are ‘otherwise qualified’ to participate in those programs”. However, there are essential requirements needed in order for a person to meet the standard of care for the athletic training profession and meet licensing/certification requirements. The Supreme Court has stated that physical qualifications could lawfully be considered as “technical standard(s) for admission”.
- The institution/program may not exclude an “otherwise qualified” applicant due to a disability if the institution/program can reasonably modify the program or facilities to accommodate the student with the disability. The institution/program is not required to “fundamentally alter” the program nor create an “undue burden” on itself.
- The Athletic Training Program at the University of Central Florida is a rigorous and intense program that places specific requirements and demands on students. 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 set forth by the Athletic Training Program establish the physical, cognitive, and attitudinal abilities considered necessary for an entry level athletic trainer. Further, the technical standards attempt
to reflect the necessary skills and abilities needed to meet the expectations of the Program's accrediting agency (Commission on Accreditation of Athletic Training Education, or CAATE) and the Board of Certification (BOC(c)) Practice Analysis.

- The following abilities and expectations must be met by all students admitted to and matriculating through the UCF Athletic Training Program:
  - 1. Students must possess the mental capacity (without assistance from an intermediary) to integrate, synthesize, analyze, and problem solve in order to effectively examine and treat patients with injuries and illnesses. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
  - 2. Students must possess sufficient cognitive, postural and neuromuscular control, sensory function, ambulation, and coordination to perform appropriate patient examinations and interventions using accepted techniques, as well as accurately, safely, and efficiently use equipment and materials for such purposes. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
  - 3. Students must annually pass examinations by external entities such as CPR for the Professional Rescuer (or similar certification) and OSHA Bloodborne Pathogens Training.
  - 4. Students must possess the ability to communicate (orally and in writing) 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/document judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
  - 5. Students must be able to document appropriate vaccinations applicable to healthcare professionals and maintain appropriate personal hygiene conducive to the classroom and clinical setting.
  - 6. Students must have the capacity to maintain composure, exercise good judgment, and perform within the standard of care for a student of the same educational level during periods of high stress.

- Applicants to the Athletic Training Program will be required to verify that they understand and meet the above technical standards or that they believe that, with certain accommodations, they can meet these standards.

- The University of Central Florida’s Student Disability Services will evaluate a student who states he/she could meet the Program’s technical standards with accommodation(s) and confirm that the stated condition qualifies as a disability under applicable laws. A review of the following will occur: whether the accommodation(s) requested is reasonable; whether accommodation would jeopardize clinician-patient safety; and whether the accommodation will jeopardize the educational process of the student (including all coursework, clinical experiences, and internships deemed essential to graduation). Compliance with the Program’s technical standards does not guarantee a student’s eligibility for the BOC(c) certification exam. Students with a concern, should contact the BOC(c) for the specific technical standards needed to take the certification examination (http://bocatc.org).

### Degree Requirements
- Students who are accepted into the Program in Athletic Training must adopt the most current catalog.
- 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 Athletic Training Program, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflict.
- The courses designated in sections 1 and 2 below may be taken at any Florida College System or State University System institution, and should usually be completed in the first 60 hours.
- Graduates are eligible to apply to take the Board of Certification (BOC(c)) 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 Athletic Training Program.

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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>D: Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>E: Science Foundations</td>
<td>8 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Suggested</td>
<td>4 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1:</td>
<td>4 hrs</td>
</tr>
<tr>
<td>One of the following courses must be taken as a prerequisite or corequisite to core requirements:</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Core Requirements: Basic Level</td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Core Requirements: Advanced Level</td>
<td>62 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Phase</td>
<td>62 hrs</td>
</tr>
</tbody>
</table>

- The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of "C" (2.0) or better.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 4014C</td>
<td>Principles of Athletic Training Lab</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3102</td>
<td>Principles of Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3012C</td>
<td>Clinical Skills for Athletic Trainers I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3812L</td>
<td>Practicum in Athletic Training I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 3212C</td>
<td>Recognition and Evaluation of Athletic Injuries I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4315C</td>
<td>Biomechanics of Sport</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3822L</td>
<td>Practicum in Athletic Training II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4213C</td>
<td>Recognition and Evaluation of Athletic Injuries II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3013C</td>
<td>Clinical Skills for Athletic Training II</td>
<td>3 hrs</td>
</tr>
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</table>
### UCF Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 4313C</td>
<td>Therapeutic Exercise in Athletic Training</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4302C</td>
<td>Therapeutic Modalities in Athletic Training</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4512C</td>
<td>Organization and Administration of Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3510C</td>
<td>Physiologic &amp; Metabolic Basis of Human Movement &amp; Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4315C</td>
<td>Advanced Rehabilitation in Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4832L</td>
<td>Practicum in Athletic Training III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 4806</td>
<td>Applied Fitness in Sport</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4842L</td>
<td>Practicum in Athletic Training IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4403</td>
<td>Case Studies in Sports Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4933</td>
<td>Athletic Training Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>ATR 4112L</td>
<td>Acute Care in Athletic Training</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

**Graduation**
- None

8. Electives
- Suggested electives relate to Health Sciences,
  Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and
  Sport and Exercise Science.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 4940</td>
<td>Athletic Training Elective Internship</td>
</tr>
</tbody>
</table>

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum overall GPA of 2.75
- A minimum grade of "C" (2.0) in Common Program Prerequisite (CPP) and core requirement courses.
- Two years of successful clinical rotation under the direct supervision of an approved preceptor.

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

### Total Semester Hours Required
- 120

**Honors In Major**
- Qualified students are encouraged to participate in
  Honors in the Major. Interested students should consult with the Program Director.

### Related Programs
- Sport and Exercise Science
- Health Services Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track

### Certificates
- None

### Related Minors
- Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or
  quantitative subjects are also advisable.
  - Business
  - Aging Studies
  - Biology
  - Coaching
  - Fitness Training

### Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- Public Administration
- Education
- Sport Business Management

### Acceptable Substitutes for Transfer Courses
- The Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) requirements can be satisfied by taking:
  - both Human Anatomy and Physiology I and Human Anatomy and Physiology II (BSC X093 + L and X094 + L; or BSC X085 + L/C and X086 + L/C); or by taking both both PET X322C and PET X323C; or by taking both both APK X100C and APK X105C.

### Plan of Study

#### Freshman Year - Fall
- ENC 1101: Composition I 3 hrs
- PSY 2012: General Psychology 3 hrs
- HSC 2000: Introduction to Careers in Health Professions 3 hrs
- MAC 1105C: College Algebra 3 hrs

1. Other CHM courses might be acceptable as pre-requisites to PCB 3703

#### Freshman Year - Spring
- ENC 1102: Composition II 3 hrs
- GEP Social 2 hrs
- BSC 2010C: Biology I 4 hrs
- MAC 1114C: College Trigonometry 3 hrs

#### Sophomore Year - Fall
- PHY 2053C: College Physics I 4 hrs
- ZOO 3733C: Human Anatomy 4 hrs
- STA 2023: Statistical Methods I 3 hrs
- GEP Historical 3 hrs

#### Sophomore Year - Spring
- PHY 2053C: College Physics I 4 hrs
- PCB 3703C: Human Physiology 4 hrs
- GEP Communication 3 hrs
- GEP Cultural 3 hrs
- GEP Historical 3 hrs

#### Sophomore Year - Summer
- ATR 4014C: Principles of Athletic Training Lab 3 hrs
- ATR 3102: Principles of Athletic Training 3 hrs
- Foreign Language (If not satisfied in high school) 4 hrs
The Biology B.S. degree allows the student to choose coursework in one (or more) of five areas, which are:- Ecology, Evolutionary and Conservation Biology- Marine and Aquatic Biology- Plant Sciences- Preregistration in the two majors.

Junior Year - Fall
- ATR 3812L Practicum in Athletic Training I (4 hrs)
- ATR 3012C Clinical Skills for Athletic Trainers I (3 hrs)
- ATR 3212C Recognition and Evaluation of Athletic Injuries I (3 hrs)
- Free Elective (if needed to maintain full-time status) (3 hrs)

Junior Year - Spring
- PET 4315C Biomechanics of Sport (3 hrs)
- ATR 3822L Practicum in Athletic Training II (4 hrs)
- ATR 4213C Recognition and Evaluation of Athletic Injuries II (3 hrs)
- ATR 3013C Clinical Skills for Athletic Training II (3 hrs)

Junior Year - Summer
- ATR 4313C Therapeutic Exercise in Athletic Training (4 hrs)
- ATR 4302C Therapeutic Modalities in Athletic Training (4 hrs)
- ATR 4940 Athletic Training Elective Internship (0 hrs)

Senior Year - Fall
- ATR 4512G Organization and Administration of Athletic Training (3 hrs)
- PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance (3 hrs)
- ATR 4315C Advanced Rehabilitation in Athletic Training (3 hrs)
- ATR 4832L Practicum in Athletic Training III (4 hrs)

Senior Year - Spring
- ATR 4933 Athletic Training Seminar (1 hr)
- PET 4806 Applied Fitness in Sport (3 hrs)
- ATR 4842L Practicum in Athletic Training IV (4 hrs)
- ATR 4103 Case Studies in Sports Medicine (3 hrs)
- ATR 4112L Acute Care in Athletic Training (1 hr)

1. UCF General Education Program (GEP) (38 hrs)
- Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.
- At least one course completed in each Foundation area must be a designated General Education Core Course.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I (3 hrs)
- Required ENC 1102 Composition II (3 hrs)
- Prefer SPC 1603C Fundamentals of Technical Presentations (3 hrs)

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)

The Biology B.S. degree allows the student to choose coursework to be awarded the general Biology B.S. degree or to select a track in one (or more) of five areas, which are-: Ecology, Evolutionary and Conservation Biology- Marine and Aquatic Biology- Plant Sciences- Pre-Health Professional Biology- Zoology and Pre-Veterinarian Science. These tracks are designed to align students with specific courses that will prepare them for the job market or more advanced study.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Biology.
- Students seeking a double major 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.
2. Common Program Prerequisites (CPP) (16 hrs)
- Completion of the CPPs should take into account the GEP and Major requirements. Although other courses may satisfy the CPP, those identified in this section specifically satisfy the major requirements.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses listed below.

Biology:
- A minimum grade of “C” (2.0) is required in these Biology courses to allow their use as a prerequisite. While a lower grade may satisfy the CPP, it will not satisfy the major.
  - BSC 2010C Biology I
  - BSC 2011C Biology II

Chemistry:
- Take Placement test before starting chemistry; http://knightsource.sdes.ucf.edu/placement
  - CHM 2045C Chemistry Fundamentals I
  - or - both of the following:
    - CHM 2040 Chemistry Fundamentals IA and
    - CHM 2041 Chemistry Fundamentals IB

and - both of the following:
  - CHM 2046 Chemistry Fundamentals II
  - CHM 2046L Chemistry Fundamentals Laboratory

Math:
- Select one math course and this statistics course.
  - MAC 2311C Calculus with Analytic Geometry I
  - or - both of the following:
    - STA 2023 Statistical Methods I
    - STA 2023 Statistical Methods II

Physics: Complete one entire sequence
- PHY 2048C General Physics Using Calculus I
- PHY 2049C General Physics Using Calculus II
- PHY 2053C College Physics I
- PHY 2054C College Physics II

- or
- PHY 2053C College Physics I and
- PHY 2054C College Physics II

3. Core Requirements: Basic Level (8 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core;
- Biology Basic Core:
  - A minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.

Take all of the following:
- BSC 2010C Biology I and
- BSC 2011C Biology II

Cognate Sciences Basic Core:

Chemistry Sequence
- CHM 2045C Chemistry Fundamentals I
  - or - both of the following:
    - CHM 2040 Chemistry Fundamentals IA and
    - CHM 2041 Chemistry Fundamentals IB

and - both of the following:
  - CHM 2046 Chemistry Fundamentals II and
  - CHM 2046L Chemistry Fundamentals Laboratory

Organic or Analytic Sequence
- Preferred CHM 2010 Organic Chemistry I and
- Preferred CHM 2211 Organic Chemistry II and
- CHM 2211L Organic Laboratory Techniques I

or
- CHM 2205 Introduction to Organic and Biochemistry
- CHM 3120L Analytical Chemistry Laboratory

Mathematics
- MAC 2233 Concepts of Calculus or
- MAC 2233 Applied Calculus or
- Preferred MAC 2311C Calculus with Analytic Geometry I
- and
- STA 2023 Statistical Methods I

4. Core Requirements: Advanced Level (13 hrs)

Biology Advanced Core:
- Note: A minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.
  - PCB 3023 Molecular Cell Biology
  - PCB 3044 Principles of Ecology
  - PCB 3063 Genetics
  - PCB 4683 Evolutionary Biology

Biology Laboratories:
- Students are required to take two labs from those listed below
  - One of these labs must come from section A. The second lab can come from section B or an additional lab from section A.

A. Laboratories
  - PCB 3044L Principles of Ecology Laboratory
  - PCB 4683L Evolutionary Biology Lab

B. Laboratories
  - May include other laboratories as approved by an advisor
  - BOT 4223C Plant Anatomy
  - BOT 4303C Plant Kingdom
  - BOT 3018C Culinary Botany Across the Cultures
  - BOT 4713C Plant Taxonomy
  - BSC 4312C Advanced Marine Biology
  - BSC 4445C Genomics Lab: Methods in Data Collection and Analysis
  - ENY 4004C General Entomology
  - ZOO 3713C Comparative Vertebrate Anatomy
  - ZOO 4205C Biology and Ecology of Metazoan Invertebrates
  - ZOO 4462C Herpetology
  - ZOO 4480L Mammalogy Lab
  - ZOO 4603C Embryology/Development
  - ZOO 4910L Research Experience in Animal Behavior in a Zoo Environment

Biology Tracks
For each track the following apply:
- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
  - A minimum C (2.0) required in each course taken to meet the “Required Electives” within each track (does not apply to courses taken to meet “Restricted Electives”).
  - A minimum C (2.0) overall required for the track.
  - No substitutions are allowed.
  - At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.

- Courses at the 5000 level are only open to seniors and beginning graduate students. Faculty teaching course must approve override.
5. Restricted Electives (22 hrs)

Biology B.S.: General Track 22 hrs

- A biology major who meets the GEP, core, lab, and upper division restricted electives requirements, as well as all UCF graduation requirements is eligible to receive a general B.S. in Biology.

**Restricted Electives 22 hrs**

Courses must be selected from the list below.

1. AN 3550C Primatology 3 hrs
2. BCH 4053 Biochemistry I 3 hrs
3. BCH 4054 Biochemistry II 3 hrs
4. BOT 3015C Culinary Botany Across the Cultures 3 hrs
5. BOT 3032C Ethnobotany 3 hrs
6. BOT 4223C Plant Anatomy 4 hrs
7. BOT 4303C Plant Kingdom 5 hrs
8. BOT 4443C General Mycology 4 hrs
9. BOT 4503 Plant Physiology 3 hrs
10. BOT 4713C Plant Taxonomy 5 hrs
11. BOT 4850 Medicinal Botany 3 hrs
12. BSC 3052 Conservation Biology 3 hrs
13. BSC 3312 Principles of Marine Biology 3 hrs
14. BSC 4312C Advanced Marine Biology 4 hrs
15. BSC 4330 Invasion Biology 3 hrs
16. BSC 4455C Genomics Lab: Methods in Data Collection and Analysis 4 hrs
17. BSC 4821 Biogeography 4 hrs
18. BSC 4861L Urban Ecological Field Studies 3 hrs
19. BSC 5258L Tropical Biology Research and Conservation 3 hrs
20. ENY 4004C General Entomology 4 hrs
21. ENY 5006C Entomology 4 hrs
22. MCB 3020C General Microbiology 5 hrs
23. PAZ 4234 Zoo and Aquarium Management 3 hrs
24. PCB 3044L Principles of Ecology Laboratory 1 hr
25. PCB 3063L Genetics Laboratory 1 hr
26. PCB 3433L Principles of Field Ecology 2 hrs
27. PCB 3354 Tropical Ecology and Conservation 3 hrs
28. PCB 3354L Tropical Marine Biology 2 hrs
29. PCB 3342 Aquatic Ecology 3 hrs
30. PCB 3433 Florida Ecology, Natural History and Conservation 3 hrs
31. PCB 4353 Marine Ecology of Florida 4 hrs
32. PCB 4402 Discrete Ecology & Ecoinmunology 4 hrs
33. PCB 4514 Genetics II 3 hrs
34. PCB 4524 Molecular Biology II 3 hrs
35. PCB 4678 Evolution and Medicine 3 hrs
36. PCB 4683L Evolutionary Biology Lab 1 hr
37. PCB 4684 Population Genetics 3 hrs
38. PCB 4723 Animal Physiology 4 hrs
39. ZOO 3713C Comparative Vertebrate Anatomy 5 hrs
40. ZOO 3733C Human Anatomy 4 hrs
41. ZOO 4203C Biology and Ecology of Metazoan Invertebrates 4 hrs
42. ZOO 4310C Vertebrate Evolution & Ecology 4 hrs
43. ZOO 4480 Mammalogy 4 hrs
44. ZOO 4480L Mammalogy Lab 1 hr
45. ZOO 4513 Animal Behavior 3 hrs
46. ZOO 4603C Embryology/Development 5 hrs
47. ZOO 4753C Vertebrate Histology 4 hrs
48. ZOO 4756C Vertebrate Evolution and Conservation 4 hrs
49. ZOO 4864 Population Genetics 3 hrs
50. ZOO 4864L Vertebrate Evolution & Ecology 4 hrs
51. ZOO 4910L Research Experience in Animal Behavior in Zoo Environment 1 hr

1. Fulfills Zoology requirement.
2. Fulfills Botany requirement.
3. Taught within the Biology department.

### Biology B.S.: Ecology, Evolutionary and Conservation Biology Track

**Required Electives (choose two from the following): (6-8hrs)**

- **"C" (2.0) or better required in each course.**

  **BSC 3052 Conservation Biology 3 hrs**
  **BSC 4821 Biogeography 4 hrs**
  **PCB 4684 Population Genetics 3 hrs**
  **ZOO 4310C Vertebrate Evolution & Ecology 4 hrs**

**Restricted Electives (choose from the following): (7-9hrs)**

- **BOT 4303C Plant Kingdom 5 hrs**
- **BSC 4330 Tropical Marine Biology 2 hrs**
- **BSC 3354L Tropical Marine Biology 2 hrs**
- **BSC 4424 Aquatic Ecology 3 hrs**
- **BSC 4514 Genetics II 3 hrs**
- **PCB 4678 Evolution and Medicine 3 hrs**
- **PCB 4684 Population Genetics 3 hrs**
- **PCB 5326C Ecosystems of Florida 5 hrs**
- **ZOO 3713C Comparative Vertebrate Anatomy 5 hrs**
- **ZOO 4310C Vertebrate Evolution & Ecology 4 hrs**
- **ZOO 4480 Mammalogy 4 hrs**
- **ZOO 4513 Animal Behavior 3 hrs**

### Additional Biology Electives: (5-9hrs)

- Courses must be selected from the General Biology Track restricted elective list.

### Biology B.S.: Marine and Aquatic Biology Track

**Required Elective**

- **"C" (2.0) or better required.**

  **BSC 3312 Principles of Marine Biology 3 hrs**

**Restricted Electives (choose from the following): (12 hrs)**

- **BSC 4312C Advanced Marine Biology 4 hrs**
- **BSC 4821 Biogeography 4 hrs**
- **BSC 4330 Tropical Marine Biology 2 hrs**
- **BSC 4424 Aquatic Ecology 3 hrs**
- **BSC 4723 Animal Physiology 4 hrs**
- **PAZ 4234 Zoo and Aquarium Management 3 hrs**
- **ZOO 3713C Comparative Vertebrate Anatomy 5 hrs**
- **ZOO 4205C Biology and Ecology of Metazoan Invertebrates 4 hrs**
- **ZOO 4310C Vertebrate Evolution & Ecology 4 hrs**
- **ZOO 4480 Mammalogy 4 hrs**
- **ZOO 4513 Animal Behavior 3 hrs**
- **ZOO 5456C Ichthyology 4 hrs**

### Additional Biology Electives

- **7 hrs**

  - Courses must be selected from the General Biology Track restricted elective list.

### Biology B.S.: Plant Sciences Track

**Required Elective**

- **"C" (2.0) or better required.**

  **BOT 3002 Ethnobotany 3 hrs**

**Restricted Electives (choose from the following): (12 hrs)**

- **BOT 3015C Culinary Botany Across the Cultures 3 hrs**
- **BOT 4503 Plant Physiology 3 hrs**
- **BOT 4713C Plant Taxonomy 5 hrs**
- **BSC 3330 Invasion Biology 3 hrs**
- **PCB 3354 Tropical Ecology and Conservation 3 hrs**

### Additional Biology Electives

- **7 hrs**

  - Courses must be selected from the General Biology Track restricted elective list.
UCF Degree Programs

Biology B.S.: Pre-Health Professional Biology 22 hrs

Track

Required Electives (choose two from the following): (9-10hrs)

- "C" (2.0) or better required in each course.
- PCB 4723  Animal Physiology  4 hrs
- ZOO 3713C  Comparative Vertebrate Anatomy  5 hrs
- ZOO 4603C  Embryology/Development  5 hrs

Restricted Electives (choose from the following): (5-6hrs)

- BCH 4053  Biochemistry I  3 hrs
- BCH 4054  Biochemistry II  3 hrs
- BOT 4434C  General Mycology  4 hrs
- BOT 4850  Medicinal Botany  3 hrs
- MCB 3020C  General Microbiology  5 hrs
- PCB 3233  Immunology  3 hrs
- PCB 3703C  Human Physiology  4 hrs
- PCB 4514  Genetics II  3 hrs
- PCB 4676  Evolution and Medicine  3 hrs
- PCB 4723  Animal Physiology  4 hrs
- ZOO 3713C  Comparative Vertebrate Anatomy  5 hrs
- ZOO 3733C  Human Anatomy  4 hrs
- ZOO 4206C  Biology and Ecology of Metazoan Invertebrates  4 hrs
- ZOO 4513  Animal Behavior  3 hrs
- ZOO 4603C  Embryology/Development  5 hrs
- ZOO 4753C  Vertebrate Histology  4 hrs

Additional Biology Electives (6-8hrs)

- Courses must be selected from the General Biology Track restricted elective list

Biology B.S.: Zoology and Pre-Veterinarian  22 hrs

Science Track

Required Electives (choose one from the following): (3-4hrs)

- "C" (2.0) or better required in each course.
- PCB 4723  Animal Physiology  4 hrs
- ZOO 4513  Animal Behavior  3 hrs

Restricted Electives (choose from the following): (11-12hrs)

- AN 3530C  Primatology  3 hrs
- EN 4004C  General Entomology  4 hrs
- PAZ 4234  Zoo and Aquarium Management  3 hrs
- PCB 4723  Animal Physiology  4 hrs
- ZOO 3713C  Comparative Vertebrate Anatomy  5 hrs
- ZOO 4206C  Biology and Ecology of Metazoan Invertebrates  4 hrs
- ZOO 4310C  Vertebrate Evolution & Ecology  4 hrs
- ZOO 4603C  Embryology/Development  5 hrs
- ZOO 4488  Mammalogy  4 hrs

Additional Biology Electives (6-8hrs)

- Courses must be selected from the General Biology Track restricted elective list

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives

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

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A "C" (2.0) or better is required in all Core Courses with a BSC or PCB prefix.

- Students must achieve a minimum cumulative GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- All attempts of UCF courses that could meet requirements are included in the major GPA calculation. All attempts of UCF courses listed for the major taken beyond the minimum required are included in the GPA calculation (e.g. additional restricted electives taken beyond the required 22 hours).
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Biology.
- Students are required to pass the comprehensive exit exam in Biology. We recommend that this exam be taken as soon as you have completed all of the Biology core courses. A passing grade is determined as a scaled score greater than the bottom 10% of nation-wide test takers.
- 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.
- Biology majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where the first semester of a two semester sequence has already been taken at a Florida College System institution.

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors in Major

- None

Related Programs

- Environmental Engineering
- Biomedical Sciences
- Science Education - Biology
- Interdisciplinary Studies - Environmental Studies Track Certificates

- None

Related Minors

- Biology
- Environmental Studies
- Biomedical Sciences

Advising Notes

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

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- Honors versions of courses will substitute for regular versions.
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work. Although the CPP may be satisfied, prerequisites for subsequent Biology courses may still have to be met:

UNIVERSITY OF CENTRAL FLORIDA

146  Undergraduate Catalog 2017-2018
Biomedical Sciences (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Health and Public Affairs II, Room: 335

https://med.ucf.edu/biomed/

Email: bsbsadvising@ucf.edu

Dr. Griffith Parks, Director
Phone: 407-823-5932

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Grades below "C" in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
- Students should consult with a BSBS academic advisor at least once per semester.

1. UCF General Education Program (GEP) (39 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required STA 2023 Statistical Methods I 3 hrs
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs

C: Mathematical Foundations (7 hrs)
- Required BSC 2010C Biology I 3 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

D: Social Foundations (6 hrs)
- Required STA 2023 Statistical Methods I 3 hrs

E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I 3 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

1 or CHM 2040 and CHM 2041

2. Common Program Prerequisites (CPP)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- BSC 2010C Biology I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Select one of the following sequences of courses:

or
- PHY 2054C College Physics I and 4 hrs
- PHY 2054C College Physics II 4 hrs

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level
Math and Statistics
MAC 2311 Calculus with Analytic Geometry I  GEP
STA 2023 Statistical Methods I  GEP

Chemistry
CHM 2210 Organic Chemistry I  3 hrs
CHM 2211 Organic Chemistry II  3 hrs
CHM 2211L Organic Laboratory Techniques I  2 hrs

4. Core Requirements: Advanced Level

Biomedical Sciences 25 hrs
■ The following core courses are for students completing the general Biomedical Science degree.

Life Science 22 hrs
MCB 3020C General Microbiology  5 hrs
BSC 3403C Quantitative Biological Methods  4 hrs
PCB 3522 Molecular Biology I  3 hrs
PCB 4524 Molecular Biology II  3 hrs

Select 1:
MCB 4414 Microbial Metabolism or  3 hrs
MCC 4410 Cellular Metabolism  3 hrs

Select one of the following sequences of courses:
PCB 4280 Molecular Immunology and  3 hrs
PCB 3233L Immunology Laboratory  1 hr
or
PCB 3233 Immunology and  3 hrs
PCB 3233L Immunology Laboratory  1 hr

Biochemistry 3 hrs
BCH 4024 Medical Biochemistry or  4 hrs
BCH 4053 Biochemistry I  3 hrs

5. Restricted Electives

Biomedical Sciences Restricted Electives 23 hrs
■ Select a minimum of seven (7) courses from the list below. At least two must have a laboratory course. 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 can only select two (2) of the following BCH 4054, BCH 4103L, PCB 3063, PCB 4514, ZOO 4603C.
■ As an alternative to one of these listed electives, students can take part in a GEAR course, the PURE program, the PILOT course, or carry out an HIM thesis. Any one of these courses or programs will substitute for a restricted elective course, including elective laboratory courses.
1 BCH 4054 Biochemistry II  3 hrs
BCH 4103L Biochemical Methods  2 hrs
BOT 4434C General Mycology  4 hrs
BSC 3424 Nanobiotechnology  3 hrs
BSC 4439 Biomedical Informatics: Structure Analysis  3 hrs
1 MCB 3202 Principles of Infectious Disease  3 hrs
2 MCB 3203 Pathogenic Microbiology  3 hrs
1 MCB 4404 Bacterial Genetics and Physiology  3 hrs
MCB 4114C Determinative & Systemic Microbiology  4 hrs
1 MCB 4207 Infectious Processes  3 hrs
MCB 4204 Cellular Microbiology: Host-Pathogen Interactions  3 hrs
1 MCB 4276 Epidemiology of Infectious Diseases  3 hrs
1 MCB 4312 Molecular Biotechnology  3 hrs
1 MCB 4503C Virology  3 hrs
MCB 4603 Environmental Microbiology  3 hrs
MCB 4721C Methods in Biotechnology  4 hrs
MCB 4970H Honors Undergraduate Thesis II  3 hrs
1 MCB 4224 Molecular Biology of Diseases  3 hrs
MCB 4653 Applied Industrial Microbiology  3 hrs
MCB 5932 Current Topics in Molecular Biology  3 hrs
MLS 3220C Techniques in Clinical Microscopy  3 hrs
1 MLS 3303 Hematology  3 hrs
1 MLS 4334 Hematology  3 hrs
1 MLS 4430C Clinical Parasitology  3 hrs
1 MLS 4505C Immunodiagnostics  3 hrs
MLS 4625 Advanced Clinical Chemistry I  3 hrs
1 MLS 4630 Advanced Clinical Chemistry II  3 hrs
1 PCB 3063 Genetics  3 hrs
1 PCB 3703C Human Physiology  4 hrs
1 PCB 4028 Molecular and Cellular Pharmacology  3 hrs
PCB 4135 Applied Molecular Cell Biology  3 hrs
PCB 4174 Foundation of Bio-Imaging Science  3 hrs
PCB 4234 Cancer Biology  3 hrs
PCB 4264 Stem Cell Biology  3 hrs
1 PCB 4264 Immunobiology  3 hrs
1 PCB 4514 Genetics II  3 hrs
PCB 4521 Tissue Engineering  3 hrs
PCB 4529C Experimental Molecular Cell Biology  4 hrs
PCB 4663 Human Genetics  3 hrs
1 PCB 4708L Laboratory Virtual Simulations in Physiology  3 hrs
1 PCB 4805 Endocrinology  3 hrs
1 PCB 4832 Cell and Molecular Basis of Brain Functions  3 hrs
1 PCB 4833 Advanced Human Physiology  3 hrs
PCB 4843 Cellular and Molecular Neuroscience  3 hrs
PCB 5275 Signal Transduction Mechanics  3 hrs
1 ZOO 3701C Human Gross Anatomy & Dissection  3 hrs
Techniques
1 ZOO 3733C Human Anatomy  4 hrs
1 ZOO 3744 Neurobiology  3 hrs
1 ZOO 3755C Introductory Histology  4 hrs
1 ZOO 4603C Embryology/Development  5 hrs
1 ZOO 4605 Human Clinical Embryology and Congenital Malformation  3 hrs
1 ZOO 4742 Advanced Neurobiology  3 hrs
1 ZOO 4747C Clinical Neuroanatomy and Neuroscience  4 hrs
ZOO 4747C Clinical Neuroscience  4 hrs
1 ZOO 4753C Vertebrate Histology  4 hrs
ZOO 5745C Essentials of Neuroanatomy  4 hrs

1 Recommended for Preprofessional students
2 Students must take MCB 3203L Pathogenic Microbiology Lab in order for the combination to count as 1 restricted elective.

6. Capstone Requirements
■ None

7. Foreign Language Requirements

Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
■ None

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

9. Additional Requirements
■ None

10. Required Minors
■ None

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

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

Total Semester Hours Required
- 120

Honors In Major
- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following course with a grade of B or better (4 credits):
  BSC 3403C Honors Quantitative Biological Methods 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits):
  MCB 4970H Honors Undergraduate Thesis II 1 hr

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

Certificates
- None

Related Minors
- Biology
- Chemistry

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- BSC 2011C Biology II 4 hrs
- may be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2040
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2041

Plan of Study

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
MAC 2311C Calculus with Analytic Geometry 4 hrs
GEP 3 hrs

Select 1: 3 hrs
STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Fall 14 hrs
CHM 2210 Organic Chemistry I 3 hrs
MCB 3020C General Microbiology 5 hrs
GEP 3 hrs

Select 1: 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
Elective 3 hrs

Sophomore Year - Spring 15 hrs
CHM 2211 Organic Chemistry II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
GEP 3 hrs
Restricted Elective or Elective 3 hrs

Select 1: 3 hrs
CHM 2211L Organic Laboratory Techniques I or 2 hrs
Elective 3 hrs

Sophomore Year - Summer 9 hrs
Restricted Elective or Elective 3 hrs
Elective 3 hrs

Select 1: 3 hrs
CHM 2211L Organic Laboratory Techniques I or 2 hrs
Elective 3 hrs

Junior Year - Fall 13 hrs
PCB 3522 Molecular Biology I 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs

Select 1: 4 hrs
PHY 2053C College Physics I or 4 hrs
PHY 2048C General Physics Using Calculus I 4 hrs

Junior Year - Spring 13 hrs
PCB 4524 Molecular Biology II 3 hrs
Restricted Elective 3 hrs

Select 1: 4 hrs
PHY 2054C College Physics II or 4 hrs
PHY 2049C General Physics Using Calculus II 4 hrs

Junior Year - Summer 9 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
GEP 3 hrs

Select 1: 3 hrs
BCH 4053 Biochemistry I or 3 hrs
MCB 4414 Microbial Metabolism or 3 hrs

Senior Year - Fall 12 hrs
GEP 3 hrs
Restricted Elective 3 hrs

Select 1: 3 hrs
PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs
PCB 3233 or Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
GEP 3 hrs

Select 1: 3 hrs
BCH 4053 Biochemistry I or 3 hrs
MCB 4414 Microbial Metabolism or 3 hrs
Elective 3 hrs

Biomedical Sciences - Molecular and Cellular Biology Track (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Health and Public Affairs II, Room: 335
http://biomed.ucf.edu

Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director, 407-823-5932

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
Students should complete the General Education Program before transferring within the Florida College System or State University System. Grades below a C in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted. Students in this track must maintain a minimum science GPA of 3.2. Students who are unable to maintain such GPA, the student will have to retrack back into the non-track Biomedical Sciences B.S.

Students should consult with a BSBS academic advisor at least once per semester.

1. UCF General Education Program (GEP)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required BSC 2010C Biology I 4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- Required BSC 2010C Biology I 4 hrs

1 or CHM 2040 and CHM 2041

2. Common Program Prerequisites (CPP) (12 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

1 or CHM 2040 and CHM 2041

3. Core Requirements: Basic Level

Math and Statistics 6 hrs
- STA 2023 Statistical Methods I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 3 hrs

Chemistry 8 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

4. Core Requirements: Advanced Level (35 hrs)

- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 4280 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- MCB 4410 Cellular Metabolism 3 hrs

Select 1:
- BCH 4024 Medical Biochemistry or 4 hrs
- BCH 4025 Biochemistry 3 hrs

Track Core Requirements
- PCB 4520C Experimental Molecular Cell Biology 4 hrs
- PCB 4026 Molecular and Cellular Pharmacology 3 hrs
- PCB 4234 Cancer Biology 3 hrs

As an alternative to one of these listed electives, students can take part in a GEAR course, the PURE program, the PILOT course, or carry out an HIM thesis. Any one of these courses or programs will substitute for a restricted elective course, including elective laboratory courses.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- None

8. Electives

Independent study, directed research or similar credit may not be used as a restricted elective. A minimum of 20 hours must be taken at UCF in the department of the major. Students will be required to take a comprehensive test during their last semester.

12. University Minimum Exit Requirements

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

Total Semester Hours Required 120

Honors In Major

Application and admission through the Department and the Burnett Honors College.

Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of institution.
UCF Degree Programs

Complete the following course with a grade of B or better
1 BSC 3403C Quantitative Biological Methods 4 hrs

Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis
MCB 4970H Honors Undergraduate Thesis II 1 hr

Related Programs
- Biology
- Biotechnology
- Medical Laboratory Sciences
- Chemistry - Biochemistry Track

Certificates
- None

Related Minors
- Biology
- Chemistry

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- The combination of CHM 2040 and CHM 2041 substitutes CHM 2045C.

Plan of Study (120 hrs)

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
General Education Program Course 3 hrs

Freshman Year - Spring 14 hrs
BSC 2010C Biology I 4 hrs
ENC 1102 Composition II 3 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
General Education Program Course 3 hrs

Sophomore Year - Fall 14 hrs
CHM 2210 Organic Chemistry I 3 hrs
MCB 3020C General Microbiology 5 hrs
STA 2023 Statistical Methods I 3 hrs
General Education Program Course 3 hrs

Sophomore Year - Spring 14 hrs
CHM 2211 Organic Chemistry II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
Restricted Elective 3 hrs
General Education Program Course 3 hrs

Select 1:
CHM 2211L Organic Laboratory Techniques I or 2 hrs
Elective 3 hrs

Sophomore Year - Summer 9 hrs
Select 1:
CHM 2211L Organic Laboratory Techniques I or 2 hrs
Elective 3 hrs

Select 1:
Restricted Elective or 3 hrs
Elective 3 hrs
Elective 3 hrs

Junior Year - Fall 14 hrs
PCB 3522 Molecular Biology I 3 hrs

Select 1:
PHY 2053C College Physics I or 4 hrs
PHY 2048C General Physics Using Calculus I 4 hrs
Restricted Elective 4 hrs
General Education Program Course 3 hrs

Junior Year - Spring 14 hrs
PCB 4524 Molecular Biology II 3 hrs
PCB 4280 Molecular Immunology 3 hrs
PCB 4028 Molecular and Cellular Pharmacology 3 hrs
PCB 3233L Immunology Laboratory 1 hr

Select 1:
PHY 2054C College Physics II or 4 hrs
PHY 2049C General Physics Using Calculus II 4 hrs

Senior Year - Fall 12 hrs
Select 1:
MCB 4410 Cellular Metabolism or 3 hrs
BCH 4053 Biochemistry I 3 hrs
PCB 4234 Cancer Biology 3 hrs

Select 1:
Restricted Elective or 4 hrs
Elective 3 hrs
Elective 3 hrs

Senior Year - Spring 13 hrs
Select 1:
MCB 4410 Cellular Metabolism or 3 hrs
BCH 4053 Biochemistry I 3 hrs
PCB 4529C Experimental Molecular Cell Biology 4 hrs

Select 1:
Restricted Elective or 4 hrs
Elective 3 hrs
Elective 3 hrs
Elective 3 hrs

The combination of CHM 2040 and CHM 2041 substitutes CHM 2045C.

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

Biomedical Sciences - Molecular Microbiology Track (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Health and Public Affairs II, Room: 335
https://med.ucf.edu/biomed/
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director, 407-823-5932

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Grades below a C in Common Program Prerequisites, Core Requirements and restricted Electives will not be accepted.
- Students in this track must maintain a minimum science GPA of 3.2. Students who are unable to maintain such GPA, the student will have to revert back into the non-track Biomedical Sciences B.S.
- Students should consult with a BSBS academic advisor at least once per semester.
1. UCF General Education Program (GEP)

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1603C Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
Required BSC 2010C Biology I 4 hrs
1 Required CHM 2045C Chemistry Fundamentals I 4 hrs

1 or CHM 2040 and CHM 2041

2. Common Program Prerequisites (CPP)

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

- BSC 2010C Biology I GEP
- 1 CHM 2045C Chemistry Fundamentals I GEP
- CHM 2046 Chemical Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2311 Calculus with Analytic Geometry I GEP

Select one of the following sequences of courses:

- PHY 2053C College Physics I and 4 hrs
  PHY 2054C College Physics II 4 hrs

- or

  PHY 2048C General Physics Using Calculus I and 4 hrs
  PHY 2049C General Physics Using Calculus II 4 hrs

1 or CHM 2040 and CHM 2041

3. Core Requirements: Basic Level

Math and Statistics

- STA 2023 Statistical Methods I GEP
- MAC 2311 Calculus with Analytic Geometry I GEP

Chemistry

- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

4. Core Requirements: Advanced Level

- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3522 Molecular Biology I 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 4280 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs

Select 1:

- BCH 4024 Medical Biochemistry or 4 hrs
- BCH 4053 Biochemistry I 3 hrs

Track Core Requirements

- MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs
- MCB 4404 Bacterial Genetics and Physiology 3 hrs
- MCB 4201 Microbial Stress Response 3 hrs

5. Restricted Electives

Students must choose 3 courses from the list below:

- At least 2 must have a laboratory component
  BOT 4434C General Mycology 4 hrs
  1 MCB 3203 Pathogenic Microbiology 3 hrs
  MCB 4503C Virology 3 hrs
  MCB 3202 Principles of Infectious Disease 3 hrs
  MCB 4207 Infectious Processes 3 hrs
  MCB 4276 Epidemiology of Infectious Diseases 3 hrs
  MCB 4603 Environmental Microbiology 3 hrs
  MCB 4721C Methods in Biotechnology 4 hrs
  MCB 4653 Applied Industrial Microbiology 3 hrs
  PCB 4028 Molecular and Cellular Pharmacology 3 hrs
  PCB 4284 Immunology 3 hrs

1 Must also choose MCB 3203L Pathogenic Microbiology Lab

As an alternative to one of these listed electives, students can take part in a GEAR course, the PURE program, the PILOT course, or carry out an HIM thesis. Any one of these courses or programs will substitute for a restricted elective course, including elective laboratory courses.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives

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

9. Additional Requirements

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must complete all coursework in the baccalaureate curriculum as shown and earn a GPA of at least 3.20 for all coursework in the sciences.
- Independent study, directed research or similar credit may not be used as a restricted elective.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to take a comprehensive test during their last semester.

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors In Major

- Application and admissions through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.

Complete the following course with a grade of

B or better

1 BSC 3403C Quantitative Biological Methods 4 hrs
1 Honors Section

Complete the following course with a grade of

B or better and successfully complete the oral defense of the Honors Thesis

MCB 4970H Honors Undergraduate Thesis II 1 hr

Related Programs

- Biology
- Biotechnology
- Medical Laboratory Sciences
- Chemistry - Biochemistry Track

Certificates

- None
## UCF Degree Programs

### Related Minors
- Biology
- Chemistry

### Advising Notes
- None

### Transfer Notes
- Students who begin a two semester sequence course (e.g., General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Lower division courses do not substitute for upperdivision courses.

### Acceptable Substitutes for Transfer Courses
- The combination of CHM 2040 and CHM 2041 substitutes CHM 2045C.

### Plan of Study

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- General Education Program Course 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- General Education Program Course 3 hrs

#### Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- STA 2023 Statistical Methods I 3 hrs
- General Education Program Course 3 hrs

#### Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- Restricted Elective 3 hrs
- General Education Program Course 3 hrs

#### Select 1:
- CHM 2211L Organic Laboratory Techniques I or 2 hrs
- Elective 3 hrs

#### Sophomore Year - Summer
- CHM 2211L Organic Laboratory Techniques I or 2 hrs
- Elective 3 hrs
- Elective 3 hrs
- Elective 3 hrs

#### Junior Year - Fall
- PCB 3522 Molecular Biology I 3 hrs
- Restricted Elective 4 hrs

#### Select 1:
- PHY 2053C College Physics I or 4 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- General Education Program Course 3 hrs

#### Junior Year - Spring
- PCB 4524 Molecular Biology II 3 hrs

#### Select 1:
- PHY 2054C College Physics II or 4 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs

#### Select 1:
- MCB 4404 Bacterial Genetics and Physiology or 3 hrs
- MCB 4204 Cell Microbiology: Host-Pathogen Interactions 3 hrs
- PCB 4280 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr

#### Sophomore Year - Fall
- PCB 3233L Immunology Laboratory 1 hr
- Select 1:
  - BCH 4053 Biochemistry I or 3 hrs
  - MCB 4414 Microbial Metabolism 3 hrs
  - MCB 4201 Microbial Stress Response 3 hrs
  - Restricted Elective 4 hrs
  - Elective 3 hrs

#### Sophomore Year - Spring
- Select 1:
  - BCH 4053 Biochemistry I or 3 hrs
  - MCB 4414 Microbial Metabolism 3 hrs
  - MCB 4204 Bacterial Genetics and Physiology or 3 hrs
  - MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs
  - Restricted Elective 4 hrs
  - Elective 3 hrs

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

### Biomedical Sciences - Neuroscience Track (B.S.)

#### College of Medicine

**Burnett School of Biomedical Sciences**

Health and Public Affairs II, Room: 335

[https://med.ucf.edu/biomed/](https://med.ucf.edu/biomed/)

**Email:** bsbsadvising@ucf.edu

**Dr. Griffith Parks, Director, 407-823-5932**

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Grades below “C” in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
- Students in the Neuroscience track must maintain a minimum Science GPA of 3.2. Students who are unable to maintain such GPA must revert back into the non-track Biomedical Sciences B.S.
- Students should consult with a BSBS academic advisor at least once a semester.

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

**A: Communication Foundations (9 hrs)**
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

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

**D: Social Foundations (6 hrs)**
- Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

**E: Science Foundations (8 hrs)**
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

**1** or CHM 2040 and CHM 2041

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

**BSC 2010C** Biology I  GEP
**CHM 2045C** Chemistry Fundamentals I  GEP
Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2053C</td>
<td>College Physics I and II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2054C</td>
<td>College Physics II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I and II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

3. Core Requirements: Basic Level

**Math and Statistics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

**Chemistry**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</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>
</tbody>
</table>

4. Core Requirements: Advanced Level

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>PCB 3522</td>
<td>Molecular Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 4280</td>
<td>Molecular Immunology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4524</td>
<td>Molecular Biology II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4410</td>
<td>Cellular Metabolism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4024</td>
<td>Medical Biochemistry</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives

Students must choose 3 courses. Two must come from the list below and the additional course can come from the broader list under the Biomedical Sciences (non-track). Two of these three courses must have a laboratory component.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 4028</td>
<td>Molecular and Cellular Pharmacology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4135</td>
<td>Applied Molecular Cell Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4174</td>
<td>Foundation of Bio-Imaging Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4234</td>
<td>Cancer Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4284</td>
<td>Immunobiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4832</td>
<td>Cellular and Molecular Basis of Brain Functions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 4742</td>
<td>Advanced Neurobiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 4747C</td>
<td>Clinical Neuroscience</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

As an alternative to one of these listed electives, students can take part in a GEAR course, the PURE program, the PILOT course, or carry out an HIM thesis. Any one of these courses or programs will substitute for a restricted elective course, including elective laboratory courses.

6. Capstone Requirements

- None

7. Foreign Language Requirements

**Admissions**

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

**Graduation**

- None

8. Electives

- Variable. Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.
### Biomedical Sciences - Preprofessional Concentration (B.S.)

**College of Medicine**

**Burnett School of Biomedical Sciences**

**Health and Public Affairs II, Room: 335**

**https://med.ucf.edu/biomed/**

**Email:** bsbadsadvising@ucf.edu

Dr. Griffith Parks, Director  
Phone: 407-823-5932

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Biomedical Sciences degree.

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Grades below "C" in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
- Students should consult with a BSBS academic advisor and the Office of Pre-Health and Pre-Law Advising at least once per semester.

1. **UCF General Education Program (GEP)** (37 hrs)
- Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
<th>C: Mathematical Foundations (7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I and</td>
<td>Required MAC 2311 Calculus with Analytic</td>
<td>Required BSC 2010C Biology I and</td>
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<tr>
<td></td>
<td>Geometry I</td>
<td>Required CHM 2045C Chemistry Fundamentals I</td>
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<tr>
<td></td>
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</tr>
</tbody>
</table>

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

| Required PHY 2053C College Physics I or | Required PHY 2049C General Physics Using Calculus II | Required SPC 1603C Fundamentals of Technical Presentations |
| Discover SCF 1603C General Chemistry I | Discover BSC 2011C Biology II | Discover CHM 1553C Fundamentals of Medicine |
| Discover MAC 2311C Calculus with Analytic Geometry I | Discover STA 2023 Statistical Methods I | Discover CHM 1553C Fundamentals of Medicine |

#### 3. Core Requirements: Basic Level (10 hrs)

**Life Sciences: Basic**

| SLB 2311C Overview of Select Medical Careers | 4 hrs |

**Math and Statistics**

| STA 2023 Statistical Methods I | 3 hrs |
| MAC 2311 Calculus with Analytic Geometry I | 3 hrs |

**Chemistry**

| CHM 2210 Organic Chemistry I and | 3 hrs |
| CHM 2211 Organic Chemistry II and | 3 hrs |
| CHM 2211L Organic Laboratory Techniques I or | 3 hrs |

| CHM 2045C Chemistry Fundamentals I | 4 hrs |
| CHM 2046 Chemistry Fundamentals II | 3 hrs |
| CHM 2046L Chemistry Fundamentals Laboratory | 1 hr |
| MAC 2311 Calculus with Analytic Geometry I | 3 hrs |

#### 4. Core Requirements: Advanced Level (25 hrs)

| MCB 3020C General Microbiology | 5 hrs |
| PCB 3522 Molecular Biology I | 3 hrs |
| PCB 4524 Molecular Biology II | 3 hrs |
| BSC 3403C Quantitative Biological Methods | 4 hrs |

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### UCF Degree Programs

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>BSC 2010C Biology I</td>
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<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
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</tr>
<tr>
<td>General Education Program Course</td>
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<table>
<thead>
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<th>Sophomore Year - Fall</th>
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<tbody>
<tr>
<td>CHM 2210 Organic Chemistry I</td>
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<tr>
<td>MCB 3020C General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
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<tr>
<td>General Education Program Course</td>
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<table>
<thead>
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<th>Sophomore Year - Spring</th>
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<tbody>
<tr>
<td>CHM 2211 Organic Chemistry II</td>
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<tr>
<td>BSC 3403C Quantitative Biological Methods</td>
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<tr>
<td>ZOO 3744 Neurobiology</td>
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<td>General Education Program Course</td>
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<tr>
<td>CHM 2211L Organic Laboratory Techniques I or</td>
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<td>Elective</td>
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<table>
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<th>Sophomore Year - Summer</th>
<th>9 hrs</th>
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<td>2 hrs</td>
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<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
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<table>
<thead>
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<th>Junior Year - Fall</th>
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</thead>
<tbody>
<tr>
<td>PCB 3522 Molecular Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>4 hrs</td>
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<table>
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<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>PHY 2053C College Physics I or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C General Physics Using Calculus I</td>
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</tr>
<tr>
<td>General Education Program Course</td>
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<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>PCB 4524 Molecular Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4843 Cellular and Molecular Neuroscience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4280 Molecular Immunology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3233L Immunology Laboratory</td>
<td>1 hr</td>
</tr>
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<table>
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<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>PHY 2054C College Physics II or</td>
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<tr>
<td>PHY 2049C General Physics Using Calculus II</td>
<td>4 hrs</td>
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<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
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<tbody>
<tr>
<td>ZOO 4743C Clinical Neuroanatomy and Neuroscience</td>
<td>4 hrs</td>
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<tr>
<td>BCH 4053 Biochemistry I</td>
<td>3 hrs</td>
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<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>13 hrs</th>
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<tbody>
<tr>
<td>MCB 4224 Molecular Biology of Diseases</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4410 Molecular Metabolism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
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</tbody>
</table>

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
Select one of the following sequences of courses:

PCB 4280 Molecular Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr

or

PCB 3233 Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr

Select 1: 3 hrs
MCB 4414 Microbial Metabolism or 3 hrs
MCB 4410 Cellular Metabolism 3 hrs

Biochemistry - Select 1
BCH 4024 Medical Biochemistry or 4 hrs
BCH 4054 Biochemistry II 3 hrs

5. Restricted Electives
7 courses minimum
- Seven (7) courses from below, from which at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restricted elective requirement.
- Students cannot choose more than two (2) of the following restricted electives: BCH 4054, BCH 4103L, BOT 4850, PCB 3063, PCB 4402, PCB 4678, PCB 4683, ZOO 4513, ZOO 4603C.
- As an alternative to one of these listed electives, students can take part in a GEAR course, the PURE program, the PILOT course, or carry out an HIM thesis. Any one of these courses or programs will substitute for a restricted elective course, including elective laboratory courses.

BCH 4054 Biochemistry II 3 hrs
BOT 4850 Medical Botany 3 hrs
MCB 3202 Principles of Infectious Disease 3 hrs
1 MCB 3203 Pathogenic Microbiology 3 hrs
MCB 4207 Infectious Processes 3 hrs
MCB 4276 Epidemiology of Infectious Diseases 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
MCB 4404 Bacterial Genetics and Physiology 3 hrs
MCB 4503C Virology 3 hrs
MCB 4653 Applied Industrial Microbiology 3 hrs
MCH 4970H Honors Undergraduate Thesis II 3 hrs
MLS 3305 Hematology 3 hrs
MLS 4334 Hemostasis 3 hrs
MLS 4430C Clinical Parasitology 3 hrs
MLS 4505C Immunodiagnostics 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3703C Human Physiology 4 hrs
PCB 4028 Molecular and Cellular Pharmacology 3 hrs
PCB 4234 Cancer Biology 3 hrs
PCB 4284 Immunobiology 3 hrs
PCB 4402 Disease Ecology & Ecosystem Immunology 3 hrs
PCB 4514 Genetics II 3 hrs
PCB 4663 Human Genetics 3 hrs
PCB 4678 Evolution and Medicine 3 hrs
2 PCB 4683 Evolutionary Biology 4 hrs
PCB 4708L Laboratory Virtual Simulations in Physiology 3 hrs
PCB 4805 Endocrinology 3 hrs
PCB 4832 Cellular and Molecular Basis of Brain Functions 3 hrs
PCB 4833 Advanced Human Physiology 3 hrs
ZOO 3701C Human Gross Anatomy & Dissection 3 hrs

1 Students must also select MCB 3203L Pathogenic Microbiology Lab in order for this combination to count as 1 restricted elective.
2 Students must also take lab component, PCB 4683L

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 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 will be required to take a comprehensive test during their last semester.

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

Total Semester Hours Required
- 120

Honors In Major
- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following with a grade of B or better (4 credits):
  - BSC 3403C Honors Quantitative Biological Methods 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits):
  - MCB 4970H Honors Undergraduate Thesis II 1 hr

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

Certificates
- None

Related Minors
- Biology
- Chemistry

Advising Notes
- None
UCF Degree Programs

Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- BSC 2011C Biology II 4 hrs
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Select 1: 3 hrs (may be substituted with: CHM 2040)
- Plan of Study:
  - Freshman Year - Fall 16 hrs
  - ENC 1101 Composition I 3 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - Select 1: 3 hrs (may be substituted with: CHM 2041)

Sophomore Year - Fall 14 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- GEP 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring 16 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- GEP 3 hrs
- Restricted Elective or Elective 3 hrs
- Select 1: 3 hrs (CHM 2211L Organic Laboratory Techniques I or Elective)

Sophomore Year - Summer 9 hrs
- Restricted Elective or Elective 3 hrs
- Elective 3 hrs

Junior Year - Fall 13 hrs
- PCB 3522 Molecular Biology I 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Select 1: 4 hrs (PHY 2053C College Physics I or PHY 2048C General Physics Using Calculus I)

Junior Year - Spring 13 hrs
- PCB 4524 Molecular Biology II 3 hrs
- Restricted Elective 3 hrs

Select 1: 4 hrs (PHY 2049C General Physics Using Calculus II or PHY 2054C College Physics II)

Select 1: 3 hrs (PCB 3233L and PCB 4280 Molecular Immunology or PCB 3233 or Restricted Elective)

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

Senior Year - Fall 12 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Select 1: 3 hrs (MCB 4414 Microbial Metabolism or BCH 4053 Biochemistry I)

Senior Year - Spring 16 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Select 1: 3 hrs (MCB 4414 Microbial Metabolism or BCH 4053 Biochemistry I)

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

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

Biotechnology (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Health and Public Affairs II, Room: 335
https://med.ucf.edu/biomed/
Email: bsbsadvising@ucf.edu

Dr. Griffith Parks, Director
Phone: 407-823-5932

The Biotechnology B.S. produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

Admission Requirements
- None

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 College System or State University System.
- Students should consult with a BSBS academic advisor at least once per semester.
- Courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours
- Grades below "C" in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.

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

A: Communication Foundations
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1003C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations
- Required STA 2023 Statistical Methods I 3 hrs

Select 1: 4 hrs
- Required MAC 2311C Calculus with Analytic Geometry I or II 4 hrs
- Required MAC 2253 Applied Calculus 3 hrs
## UCF Degree Programs

### D: Social Foundations (6 hrs)

- **E: Science Foundations**
  - Required: CHM 2045C Chemistry Fundamentals I 4 hrs
  - Required: BSC 2010C Biology I 4 hrs

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

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
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<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
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<td>MCB 4912</td>
<td>Directed Independent Research</td>
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<td>MCB 5225</td>
<td>Molecular Biology of Disease</td>
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<tr>
<td>MCB 5505</td>
<td>Molecular Virology</td>
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<td>MCB 5654C</td>
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<td>PCB 3063</td>
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<td>PCB 3703C</td>
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<td>PCB 4234</td>
<td>Cancer Biology</td>
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<tr>
<td>PCB 4521</td>
<td>Tissue Engineering</td>
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<td>PCB 4805</td>
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<tr>
<td>PCB 5275</td>
<td>Signal Transduction Mechanics</td>
<td>3 hrs</td>
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</table>

---

### 3. Core Requirements: Basic Level

- **None**

### 4. Core Requirements: Advanced Level (52 hrs)

#### Life Sciences

- **MCB 3202C** General Microbiology 5 hrs
- **PCB 4524** Molecular Biology I 3 hrs
- **PCB 4525** Molecular Biology II 3 hrs
- **BSC 3403C** Quantitative Biological Methods 4 hrs
- **MCB 4721C** Methods in Biotechnology 4 hrs
- **MCB 4720** Industrial Perspectives Seminar 3 hrs
- **MCB 4312** Molecular Biotechnology 3 hrs
- **PCB 4135** Applied Molecular Cell Biology 3 hrs
- **PCB 4174** Foundation of Bio-Imaging Science 3 hrs

#### Select one of the following sequences of courses:

- **PCB 4280** Molecular Immunology and Immunology Laboratory 3 hrs
- **PCB 3233** Immunology and Immunology Laboratory 3 hrs
- **PCB 3233L** Immunology Laboratory 1 hr

#### Chemistry

- **BCH 4053** Biochemistry I 3 hrs
- **CHM 2045L** Chemistry Fundamentals Laboratory 1 hr
- **CHM 2211L** Organic Laboratory Techniques I 2 hrs

#### Select 1:

- **MCB 4414** Microbial Metabolism or 3 hrs
- **MCB 4410** Cellular Metabolism 3 hrs

#### Physics

#### Select one of the following sequences of courses:

- **PHY 2053C** College Physics I and 4 hrs
- **PHY 2054C** College Physics II 4 hrs
- **PHY 2048C** General Physics Using Calculus I and 4 hrs
- **PHY 2049C** General Physics Using Calculus II 4 hrs

#### Math

#### Select 1:

- **MAC 2311C** Calculus with Analytic Geometry I or 3 hrs
- **MAC 2253** Applied Calculus 3 hrs

### 5. Restricted Electives (6 hrs)

- **Two courses minimum, no more than one may be taken outside the Burnett School of Biomedical Sciences. Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.**
- **Those students who do not qualify for MCB 4970H may elect MCB 4912 Undergraduate Research as a substitute course, but a research report must be submitted to instructor after completion of research project.**
- **BCH 4054** Biochemistry II 3 hrs
- **BCH 4103L** Biochemical Methods 2 hrs

---

### 1. MCB 3203 Pathogenic Microbiology 3 hrs
- MCB 4404 Bacterial Genetics and Physiology 3 hrs
- MCB 4207 Infectious Processes 3 hrs
- MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs

### 2. PCB 4284 Immunology 3 hrs
- PCB 4503C Virology 3 hrs
- MCB 4603 Environmental Microbiology 3 hrs
- MCB 4912 Directed Independent Research 3 hrs
- MCB 4970H Honors Undergraduate Thesis II 3 hrs
- MCB 5225 Molecular Biology of Disease 3 hrs
- MCB 5505 Molecular Virology 3 hrs
- MCB 5654C Applied Industrial Microbiology 3 hrs
- MCB 5532 Current Topics in Molecular Biology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3703C Human Physiology 4 hrs
- PCB 4234 Cancer Biology 3 hrs
- PCB 4521 Tissue Engineering 3 hrs
- PCB 4805 Endocrinology 3 hrs
- PCB 5275 Signal Transduction Mechanics 3 hrs

---

### 7. Foreign Language Requirements

#### Admissions

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

#### Graduation

- **None**

### 8. Electives

#### Variable

### 9. Additional Requirements

- **None**

### 10. Required Minors

- **None**

### 11. Departmental Exit Requirements

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

### 12. University Minimum Exit Requirements

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

### Total Semester Hours Required

- 120

### Honors In Major

- Application and admission through the department and the Burnett Honors College
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution
- Complete the following with a grade of B or better:
  - BSC 3403C Honors Quantitative Biological Methods 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis MCB 4970H Honors Undergraduate Thesis II 3 hrs

### Related Programs

- Biology
- Chemistry
Select 1:  
PHY 2054C College Physics II or 4 hrs  
1 PHY 2049C General Physics Using Calculus II 4 hrs

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

Junior Year - Fall  
PCB 4524 Molecular Biology II 3 hrs  
PCB 4280 Molecular Immunology 3 hrs  
PCB 3233L Immunology Laboratory 1 hr  
PCB 4529C Experimental Molecular Cell Biology 4 hrs

Select 1:  4 hrs  
PHY 2054C College Physics II or 4 hrs  
1 PHY 2049C General Physics Using Calculus II 4 hrs

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

Senior Year - Fall  13 hrs  
MCB 4312 Molecular Biotechnology 3 hrs  
Restricted Elective or Elective 3 hrs

Select 1:  3 hrs  
BCH 4053 Biochemistry I or 3 hrs  
MCB 4414 Microbial Metabolism 3 hrs

Senior Year - Spring  12 hrs  
PCB 4174 Foundation of Bio-Imaging Science 3 hrs  
GEP Restricted Elective or Elective 3 hrs

Select 1:  3 hrs  
BCH 4053 Biochemistry I or 3 hrs  
MCB 4414 Microbial Metabolism 3 hrs

For students who transfer in their junior year from a Florida College System institution, the revised sequence of courses is provided (it is assumed that GEP and physics will be completed at an FCS institution):  

Junior Year - Fall  
MCB 4280 Molecular Biology II 3 hrs  
BSC 4303C Quantitative Biological Methods 4 hrs  
BCH 4053 Biochemistry I or 3 hrs  
Restricted Elective 3 hrs

Junior Year - Spring  
PCB 3522 Molecular Biology II 3 hrs  
MCB 4312 Molecular Biotechnology 3 hrs  
Elective 3000 level 3 hrs

Senior Year - Spring  
PCB 4524 Molecular Biology II 3 hrs  
PCB 4280 Molecular Immunology 3 hrs  
PCB 3233L Immunology Laboratory 1 hr  
PCB 4529C Experimental Molecular Cell Biology 4 hrs  
PCB 4174 Foundation of Bio-Imaging Science 3 hrs

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

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

Chemistry (B.S.)

College of Sciences

Department of Chemistry,
Physical Sciences, Room: 255
http://chemistry.cos.ucf.edu/
Email: pedro.patino@ucf.edu

Dr. Pedro Patino
Phone: 407-823-2246

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two-semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- Select either:
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - CHM 2210 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - PHY 2048C General Physics Using Calculus I 4 hrs
  - PHY 2049C General Physics Using Calculus II 4 hrs

1. UCF General Education Program (GEP) (39 hrs)

- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

A: Communication Foundations (9 hrs)

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

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Prefer STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

- Required PHY 2048C General Physics Using Calculus I 4 hrs
- Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (24 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Prior to enrolling in Chemistry, you must take the Chemistry Placement Test at http://knightsource.sdes.ucf.edu/placement

Select either:

- CHM 2045C Chemistry Fundamentals I 4 hrs
- or 6 hrs
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs

- and complete all the following

- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MAC 2311C Calculus with Analytic Geometry I GEP
  - MAC 2311C Calculus with Analytic Geometry I and GEP 2 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C General Physics Using Calculus I GEP
  - PHY 2048C General Physics Using Calculus I and GEP 4 hrs

3. Core Requirements: Basic Level (4 hrs)

- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP

Select either:

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

- and

- CHM 2046 Chemistry Fundamentals II and CPP
- CHM 2046L Chemistry Fundamentals Laboratory and CPP
- CHM 2210 Organic Chemistry I and CPP
- CHM 2211 Organic Chemistry II and CPP
- CHM 2211L Organic Laboratory Techniques I and CPP
- MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
  - MAC 2311C Calculus with Analytic Geometry I and GEP/CPP 2 hrs
- MAC 2312 Calculus with Analytic Geometry II and CPP
- PHY 2048C General Physics Using Calculus I and GEP/CPP
  - PHY 2048C General Physics Using Calculus I and GEP/CPP 4 hrs

Core: Additional requirements 4 hrs

- BSC 2010C Biology I and GEP
- MAC 2313 Calculus with Analytic Geometry III and 4 hrs
- STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (34 hrs)

- BCH 4053 Biochemistry I 3 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHM 3215L Organic Laboratory Techniques I 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411L Physical Chemistry Laboratory 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4610L Inorganic Chemistry Laboratory 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
- CHM 4912 Directed Independent Research 4 hrs
- CHM 4930 Chemistry Seminar I 1 hr
- CHM 4931 Chemistry Seminar II 1 hr

5. Restricted Electives (6 hrs)

Select from the following courses:

- BCH 4054 Biochemistry II 3 hrs
- CHM 4220 Organic Chemistry III 3 hrs
- CHM 4427 Electrochemistry 3 hrs
- CHM 5225 Advanced Organic Chemistry 3 hrs
- CHM 5235 Applied Molecular Spectroscopy 3 hrs
- CHM 5450 Polymer Chemistry 3 hrs
- CHM 5451C Techniques in Polymer Science 3 hrs
- CHM 5580 Advanced Physical Chemistry 3 hrs
- CHS 4615 Environmental Chemistry 3 hrs

Directed Electives 3 hrs

- Course will be selected with the aid of a departmental advisor and approved in advance by the department chair. Course will be selected from the physical, biological, mathematical sciences and/or related disciplines and normally will be at the 3000/4000 level. Co-op courses cannot be used in the major.
UCF Degree Programs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives

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

9. Additional Requirements

- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Students must earn at least a "C" (2.0) or better in each UCF Chemistry course used to satisfy the major.
- Students must maintain a minimum cumulative GPA of 2.0 in all UCF Chemistry courses.
- Students must maintain a minimum cumulative GPA of 2.0 in all Chemistry courses.
- For both cumulative GPA calculations, all attempts of courses that could meet requirements are included, with the exception of CHM4912, CHM4930, and CHM4931. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives taken beyond the required 10 hours) and a "C" (2.0) or better is earned, are also included in the major GPA calculations.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in residence at UCF.

10. Required Minors

- None

11. Departmental Exit Requirements

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

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors in Major

- None

Related Programs

- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences
- Science Education - Chemistry
- Chemistry - Biochemistry Track

Certificates

- None

Related Minors

- Chemistry
- Biomedical Sciences
- Biology
- Physics

Advising Notes

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

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM X040C plus CHM X041C.
  - Physics & Lab: Although the CPP allows substitution by other physics courses, they will not satisfy the major; thus the specified physics courses will still have to be taken.
- Physics: Although the CPP allows substitution by Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, you must take the Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Before registering for Math, you must take Math Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall

- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- BSC 2010C Biology I 4 hrs
- ENC 1101 Composition I 3 hrs

Freshman Year - Spring

- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2311C Calculus with Analytic Geometry II 4 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs

Sophomore Year - Fall

- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- MAC 2313C Calculus with Analytic Geometry III 4 hrs
- Statistics 3 hrs

Sophomore Year - Spring

- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- GEP 3 hrs
- Free Elective 2 hrs

Junior Year - Fall

- BCH 4053 Biochemistry I 3 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHM 3215L Organic Laboratory Techniques II 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- GEP 3 hrs

Junior Year - Spring

- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs

Restricted Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

161 Undergraduate Catalog 2017-2018
### UCF Degree Programs

#### Chemistry - Biochemistry Track (B.S.)

**College of Sciences**

**Department of Chemistry,**

**Physical Sciences, Room: 255**

[http://www.cos.ucf.edu/chemistry](http://www.cos.ucf.edu/chemistry)

**Email:** pedro.patino@ucf.edu

**Dr. Pedro Patino**

**Phone:** 407-823-2246

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major.
- Students should consult with a departmental advisor before registering.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Courses designated in 1 (General Education Program) typically are spread throughout the 120 hours.

AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

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<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
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<td>MAC 2312 Calculus with Analytic Geometry II</td>
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<td>PHY 2048C General Physics Using Calculus I</td>
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<td>PHY 2049C General Physics Using Calculus II</td>
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#### Program Academic Learning Compacts

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

#### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

#### Senior Year - Fall

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<td>Restricted Elective</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<td>Free Elective</td>
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#### Senior Year - Spring

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<tr>
<td>CHM 4931 Chemistry Seminar II</td>
<td>1 hr</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<td>Free Elective</td>
<td>3 hrs</td>
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<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 1. UCF General Education Program (GEP) (39 hrs)

- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

#### A: Communication Foundations (9 hrs)

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (7 hrs)

- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Prefer STA 2023 Statistical Methods I 3 hrs

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

#### E: Science Foundations (8 hrs)

- Required PHY 2048C General Physics Using Calculus I and GEP 4 hrs
- Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)

**Select either:**

- CHM 2045C Chemistry Fundamentals I 4 hrs
- or 6 hrs
- CHM 2040 Chemistry Fundamentals IA and IB 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- and complete all the following 24 hrs
- CHM 2046 Chemistry Fundamentals II and III 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory and I 1 hr
- CHM 2210 Organic Chemistry I and II 3 hrs
- CHM 2211 Organic Chemistry II and III 3 hrs
- CHM 2211L Organic Laboratory Techniques I and II 2 hrs
- MAC 2311C Calculus with Analytic Geometry I and II 4 hrs
- MAC 2312 Calculus with Analytic Geometry II and III 4 hrs
- PHY 2048C General Physics Using Calculus I and II 4 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs

3. Core Requirements: Basic Level (10 hrs)

- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

**Basic Core: Required, satisfies the CPP**

**Select either:**

- CHM 2045C Chemistry Fundamentals I 4 hrs
- or 6 hrs
- CHM 2040 Chemistry Fundamentals IA and IB 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- and 24 hrs
- CHM 2046 Chemistry Fundamentals II and III 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory and I 1 hr
- CHM 2210 Organic Chemistry I and II 3 hrs
- CHM 2211 Organic Chemistry II and III 3 hrs
- CHM 2211L Organic Laboratory Techniques I and II 2 hrs
- MAC 2311C Calculus with Analytic Geometry I and II 4 hrs
- MAC 2312 Calculus with Analytic Geometry II and III 4 hrs
- PHY 2048C General Physics Using Calculus I and II 4 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs

**Basic Core: Additional Requirements 10 hrs**

- BSC 2010C Biology I and II 3 hrs
- CHM 3120 Analytical Chemistry and I 3 hrs
- CHM 3120L Analytical Chemistry Laboratory and I 1 hr
- CHM 3215L Organic Laboratory Techniques I and II 2 hrs
- MAC 2313 Calculus with Analytic Geometry III and IV 4 hrs
- STA 2023 Statistical Methods I 1 hr

4. Core Requirements: Advanced Level (37 hrs)

- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4912 Directed Independent Research 4 hrs
- CHM 4930 Chemistry Seminar I 1 hr
CHM 4931 Chemistry Seminar II 1 hr
CHM 4200 Organic Chemistry III 3 hrs
CHM 4906 Directed Independent Study 1 hr
CHM 5225 Advanced Organic Chemistry 3 hrs
PCB 3522 Molecular Biology I 3 hrs

5. Restricted Electives (10 hrs)
Select from the following:
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 4220 Organic Chemistry III 3 hrs
CHM 4906 Directed Independent Study 1 hr
CHM 5225 Advanced Organic Chemistry 3 hrs
PCB 3522 Molecular Biology I 3 hrs

Additional upper level courses as approved by a departmental advisor

Additional physical, biological, and mathematical sciences courses.
- In addition to those listed above, course selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.
- These courses should be at least at the 3000 level.

6. Capstone Requirements
- None

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

Graduation
- None

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

9. Additional Requirements
- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Students must earn at least a “C” (2.0) or better in each UCF Chemistry course used to satisfy the major.
- Students must maintain a minimum cumulative GPA of 2.0 in all UCF Chemistry courses.
- Students must maintain a minimum cumulative GPA of 2.0 in all Chemistry courses.
- For both cumulative GPA calculations, all attempts of courses that could meet requirements are included, with the exception of CHM 4912, CHM 4930 and CHM 4931. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives taken beyond the required 10 hours) and a “C” (2.0) or better is earned, are also included in the major GPA calculations.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

10. Required Minors
- None

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

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences

Certificates
- None

Related Minors
- Chemistry
- Biology
- Biomedical Sciences

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- ENC 1101 Composition I 3 hrs
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- GEP 3 hrs

Freshman Year - Winter
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- Statistics 3 hrs

Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

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Lab may be taken in a later term if seats are not available.
CHM 3120L Analytical Chemistry Laboratory 1 hr
PHY 2049C General Physics Using Calculus II 4 hrs
PCB 3063 Genetics 3 hrs

Junior Year - Fall 14 hrs
BCH 4053 Biochemistry I 3 hrs
CHM 3215L Organic Laboratory Techniques II 2 hrs
PCB 3023 Molecular Cell Biology 3 hrs
GEP 3 hrs
GEP 3 hrs

Senior Year - Fall 17 hrs
CHM 3410 Physical Chemistry I 4 hrs
CHM 4912 Directed Independent Research 2 hrs
CHM 4930 Chemistry Seminar I 1 hr
Restricted Elective 3 hrs
Restricted Elective 4 hrs
Restricted Elective 3 hrs

Senior Year - Spring 14 hrs
CHM 4931 Chemistry Seminar II 1 hr
CHM 3411L Physical Chemistry Laboratory 3 hrs
CHM 4610 Inorganic Chemistry 3 hrs
CHM 4912 Directed Independent Research 2 hrs
GEP 3 hrs

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Civil Engineering (B.S.C.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Kevin Mackie, kevin.mackie@ucf.edu
Phone: 407-823-2841

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

- Students in the Civil Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Civil Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Civil Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UC will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Civil Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College Systems or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one course from Cultural Foundations - Suggested MUL 2010, PHI 2010, or THE 2000 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select one class from Social Foundation Group 1 3 hrs
- Select one class from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs
- Required PHY 2049C General Physics Using Calculus I 4 hrs
- Required PHY 2049C General Physics Using Calculus I 4 hrs

Science Foundation 2 3 hrs
- Required EVR 1001 Introduction to Environmental Science or 3 hrs
- Required GEO 1200 Physical Geography or 3 hrs
- Required GEO 2370 Resources Geography or 3 hrs
- Required GLY 1030 Geology and its Applications 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
UCF Degree Programs

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.

MAC 2311C 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 Ordinary Differential Equations I            3 hrs
PHY 2048C General Physics Using Calculus I            GEP
PHY 2049C General Physics Using Calculus II            4 hrs

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

3. Core Requirements: Basic Level (2 hrs)
   EGS 1006C Introduction to the Engineering Profession  1 hr
   EGN 1070C Engineering Concepts and Methods           1 hr

Basic Science
   EVR 1001 Introduction to Environmental Science or    GEP
   GEO 1200 Physical Geography or                        GEP
   GEO 3700 Resources Geography or                       GEP
   GLY 1030 Geology and Its Applications                  GEP

4. Core Requirements: Advanced Level (60 hrs)

   1 EGN 3310 Engineering Analysis-Statics                3 hrs
   1 EGN 3321 Engineering Analysis-Dynamics                3 hrs
   1 EGN 3331C Mechanics of Materials                      3 hrs
   1 EGN 3613 Engineering Economic Analysis                2 hrs
   1 ENV 3001 Environmental Engineering                     3 hrs
   1 CCE 4003 Introduction to the Construction Industry     3 hrs
   1 STA 3032 Probability and Statistics for Engineers     GEP
   CGN 3700C Civil Engineering Measurements                  2 hrs
   CGN 3501C Civil Engineering Materials                     3 hrs
   CEG 4011C Geotechnical Engineering I                      4 hrs
   1 CES 4100C Structural Analysis I and Lab                 4 hrs
   1 CWR 3201 Engineering Fluid Mechanics                   3 hrs
   TTE 3810 Highway Engineering                             3 hrs
   CGN 3405 Applied Numerical Methods for Civil Engineering 3 hrs
   CWR 4202C Hydraulics                                      3 hrs

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

Civil Engineering Depth Areas (12 hrs)
- Select 2 of the following 5 sequences to complete

Geotechnical:
   CEG 4012 Geotechnical Engineering II and                3 hrs
   CWR 4124 Hydrogeology                                     3 hrs

Water Resources:
   CWR 4120 Hydrology and                                    3 hrs
   CWR 4124 Hydrogeology                                      3 hrs

Transportation:
   TTE 4274 Transportation Engineering Systems and         3 hrs
   TTE 4300 Transportation Analytics                          3 hrs

Structures:
   CES 4605 Steel Structures and                            3 hrs
   CES 4702 Reinforced Concrete Structures                   3 hrs

Mechanics:
   EGN 3343 Thermodynamics and                             3 hrs
   CES 4205 Structural Mechanics                             3 hrs

Civil Engineering Depth Electives (6 hrs)
- Take any of the courses not taken to complete required sequences above OR from the following list:

Environmental:
   ENV 4531 Environmental Engineering Unit Operations & Processes or 3 hrs
   ENV 4561 Advanced Environmental Engineering Operations & Processes 3 hrs

Construction:
   CCE 4004 Construction Estimating and Scheduling or       3 hrs
   CCE 4004 Construction Methods                              3 hrs

5. Restricted Electives (3 hrs)
   Students should consult the CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
   Senior Design Courses

Design Specialization
   3 hrs
   1 CEG 4801C Geotechnical Engineering Design or        3 hrs
   1 CES 4743C Structural Design or                        3 hrs
   1 CWR 4812C Water Resources Design or                   3 hrs
   1 TTE 4801C Urban Systems Design                        3 hrs
   CGN 4809C CECE Capstone Design                           3 hrs

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

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

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

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
   - 128

Honors In Major
- None

Related Programs
- Construction Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Mathematics
- Engineering Leadership

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.
UCF Degree Programs

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information (course syllabus) with his/her petition for this evaluation.
- EGS 106C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

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

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGS 106C Introduction to the Engineering Profession 1 hr
- CHS 1440 Principles of Chemistry 4 hrs

Freshman Year - Spring 14 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3913 Engineering Economic Analysis 2 hrs

Sophomore Year - Fall 16 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- EGN 3310 Engineering Analysis-Static 3 hrs
- GEP 3 hrs
- ENV 3001 Environmental Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Sophomore Year - Spring 16 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- MAC 3313C Mechanics of Materials 3 hrs
- GEP 3 hrs
- CGN 3405 Applied Numerical Methods for Civil Engineering 3 hrs

Sophomore Year - Summer 9 hrs
- GEP 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs

Junior Year - Fall 16 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CGN 3700C Civil Engineering Measurements 2 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- TTE 3810 Highway Engineering 3 hrs
- CWR 4202C Hydraulics 3 hrs

Junior Year - Spring 15 hrs
- GEP 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- Depth Area 1, Course 1 3 hrs
- Depth Area 2, Course 1 3 hrs

Senior Year - Fall 15 hrs
- Approved Project Design Course 3 hrs
- Depth Area 1, Course 2 3 hrs
- Depth Area 2, Course 2 3 hrs
- Depth Elective 1 3 hrs
- GEP 3 hrs

Senior Year - Spring 12 hrs
- GEP 3 hrs
- CGN 4808C CECE Capstone Design 3 hrs
- Depth Elective 2 3 hrs
- Technical Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $43 per term
- Full-Time Student: $85 per term

Communication & Conflict (B.A.)
College of Sciences
Nicholson School of Communication,
NSC, Room 143
http://communication.cos.ucf.edu
Dr. James McCafferty, james.mccafferty@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ucf.edu/online for more information.

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 may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
- Students must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   Select 1: Required SPC 1608 Fundamentals of Oral Communication or
   - Required SPC 1603C Fundamentals of Technical Presentations or
   - Required COM 1000 Introduction to Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Statistics: Required STA 2014C Principles of Statistics 3 hrs

   Math:
   - Suggested MGF 1106 Finite Mathematics or
   - Suggested MGF 1107 Explorations in Mathematics 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.

   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   SPC 1608 Fundamentals of Oral Communication GEP
### 3. Core Requirements: Basic Level (3 hrs)

**Speech**
- **Select 1:**
  - SPC 1608 Fundamentals of Oral Communication or
  - GEP/CPP
  - SPC 1603C Fundamentals of Technical Presentations
  - GEP
  - COM 1000 Introduction to Communication

**Statistics**
- STA 2014C Principles of Statistics
  - GEP

**Computer Science**
- 3 hrs
  - Select 1:
    - CGS 1060C Introduction to Computers or
    - 3 hrs
    - CGS 2100C Computer Fundamentals for Business or
    - 3 hrs
    - CGS 2585C Desktop/Internet Publishing or
    - 3 hrs
    - CGS 3175 Internet Applications
    - 3 hrs

### 4. Core Requirements: Advanced Level (12 hrs)

**Take all of the following:**
- COM 3801 Communication Theories of Interpersonal Conflict
- COM 3800 Conflict Communication Research Methods
- COM 4804 Conflict & Communication Context
- COM 3802 Communication & Conflict
  - 3 hrs

**Internal Restricted Electives (21 hrs)**
- 15 hrs
  - **Select from the following list:**
    - COM 3120 Organizational Communication
    - 3 hrs
    - COM 4461 Intercultural Communication
    - 3 hrs
    - COM 4805 Transformative Communication
    - 3 hrs
    - COM 4803 Third Party Processes & Intervention
    - 3 hrs
    - PUR 4400 Crisis Communication
    - 3 hrs
    - RTV 4403 Electronic Media, Technology, and Society
    - 3 hrs
    - PUR 4000 Public Relations
    - 3 hrs
    - COM 4014 Gender Issues in Communication
    - 3 hrs
    - COM 4941 Internship
    - 1 hr

**A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:**
- COM 4941 Internship
  - 1 hr
- COM 4906 Directed Independent Study
  - 1 hr
- SPC 4949 Cooperative Education
  - 0 hrs
- SPC 4949 Cooperative Education
  - 0 hrs

**Select 1:**
- ENC 3315 Argumentative Writing
  - 3 hrs
- ENC 3311 Essay as Cultural Commentary
  - 3 hrs
- ENC 3320 Professional Writing
  - 3 hrs
- ENC 3314 Writing and Rhetoric Foundations
  - 3 hrs
- ENC 3241 Writing for the Technical Professional
  - 3 hrs
- Other upper division COM or SPC courses with prior approval of department advisor.
  - 3 hrs

**External Restricted Electives:**
- 6 hrs
  - A minimum of six upper division credit hours with NSC advisor approval selected from courses in Business, Legal Studies, Psychology, Public Administration, or other related areas, or courses within the Nicholson School of Communication but outside of the Human Communication area (i.e. Advertising-Public Relations, Journalism, or Radio-Television) not specified as restricted internal electives above.

### 6. Capstone Requirements (3 hrs)
- COM 4806 Communication & Conflict Case Studies

### 7. Foreign Language Requirements

**Admissions**
- Met by graduation requirement.

**Graduation**
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

**Statistics**
- STA 2014C Principles of Statistics
  - GEP

**Computer Science**
- 3 hrs
  - Select 1:
    - CGS 1060C Introduction to Computers or
    - 3 hrs
    - CGS 2100C Computer Fundamentals for Business or
    - 3 hrs
    - CGS 2585C Desktop/Internet Publishing or
    - 3 hrs
    - CGS 3175 Internet Applications
    - 3 hrs

**Foreign Language**
- 3 hrs
  - Select 1:
    - SPC 1608 Fundamentals of Oral Communication or
    - 3 hrs
    - GEP
    - SPC 1000 Introduction to Communication
    - 3 hrs
    - STA 2014C Principles of Statistics
    - 3 hrs
    - Foreign Language
    - 4 hrs
UFC Degree Programs

Sophomore Year - Fall 15 hrs
- Core-Computer Science 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective (Consider a minor) 3 hrs

Sophomore Year - Spring 15 hrs
- Internal Restricted Elective 3 hrs
- GEP 3 hrs
- COM 3800 Conflict Communication Research Methods 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- COM 3801 Communication Theories of Interpersonal Conflict 3 hrs
- Internal Restricted Elective 3 hrs
- External Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

Junior Year - Spring 15 hrs
- COM 3802 Communication & Conflict 3 hrs
- Internal Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs
- External Restricted Elective 3 hrs

Junior Year - Summer 9 hrs
- Internal Restricted Elective-Internship 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

Senior Year - Fall 12 hrs
- COM 4804 Conflict & Communication Context 3 hrs
- Internal Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

Senior Year - Spring 13 hrs
- COM 4806 Conflict & Communication Case Studies 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 4 hrs

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

Communication Sciences and Disorders (B.A. / B.S.)
College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cohipa.ucf.edu/cs
Email: csdundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Admission Requirements
- None
Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in section 1 below may be taken at a Florida College System institution, and usually should be completed in the first 60 hours.
- Students must earn at least a “C-” (1.75) in each prerequisite course, core course, restricted elective, and B.A./B.S. elective.

- Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major.

1. UCF General Education Program (GEP) (36 hrs)
   - Communication Foundations (9 hrs)
   - Cultural & Historical Foundations (9 hrs)
   - Mathematical Foundations (6 hrs)
   - Social Foundations (6 hrs)
   - Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - STA 2014C Principles of Statistics GEP
   - BSC 1005 Biological Principles GEP
   - PSY 2012 General Psychology GEP
   - PHY, PSC or CHM GEP

3. Core Requirements: Basic Level
   - None
4. Core Requirements: Advanced Level (56 hrs)
   - Developmental Psychology 3 hrs
   - Communication Disorders in Literature and Media 3 hrs
   - Physiological Bases of Speech and Hearing 3 hrs
   - Basic Phonetics 3 hrs
   - Basic Phonetics Lab 1 hr
   - Language Development 3 hrs
   - Language Lab 2 hrs
   - Speech Science I: Production 3 hrs
   - Speech Production Lab 1 hr
   - Neural Bases of Communication 3 hrs
   - Speech Science II: Perception 3 hrs
   - Speech Perception Lab 1 hr
   - Speech Disorders Across the Lifespan 3 hrs
   - Audiology 3 hrs
   - Multicultural Aspects of Communication Disorders & Differences 3 hrs
   - Language Disorders Across the Life Span 3 hrs
   - Language Science 3 hrs
   - Capstone Course 3 hrs
   - Hearing Disorders Across the Lifespan 3 hrs
   - Principles of Behavior Modification or 3 hrs
   - Introduction to Behavior Management or 3 hrs
   - Classroom Management and Guidance of Young Children or 3 hrs
   - Learning Environments and Guidance for Young Children or 3 hrs
   - Guidance of Young Children with Communication Disorders or 3 hrs
   - Young Children With Special Needs 3 hrs

Statistics Requirement 3 hrs
- Students have two options for completing this requirement:
  - Option 1: 3 hrs
    - STA 2023 Statistical Methods I and GEP
    - STA 4163 Statistical Methods II 3 hrs
  - Option 2: 3 hrs
    - STA 2014C Principles of Statistics and GEP
    - SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs
    - or STA 2023 Statistical Methods I and GEP
    - SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs
5. Restricted Electives (9 hrs)
- An additional nine credit hours of upper division course work in Communication Sciences and Disorders selected from a list provided in the CSD Department or in consultation with a CSD undergraduate advisor.

B.A./B.S. Option:
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.
- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

6. Capstone Requirements
SPA 4870C Capstone Course 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.
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

Graduation
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

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

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must achieve a minimum grade of “C-” (1.75) in all prerequisite courses, core courses, restricted electives, and B.A./B.S. electives in the department.
- Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

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

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with the undergraduate program coordinator.

Related Programs
- Health Services Administration
- Psychology
- Social Work
- Early Childhood Education

Certificates

Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Human Communication
- Linguistics
- Psychology
- Spanish

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

Transfer Notes
- “D” (1.0) grades are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- BSC 1005 Biological Principles 3 hrs
- Free Elective 3 hrs
- GEP Cultural 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- DEP 2004 Developmental Psychology 3 hrs

Select 1: 3 hrs
- PHY, PSC, or CHM Course 3 hrs
- GEP Social 3 hrs
- GEP Historical 3 hrs

Sophomore Year - Fall 15 hrs
- GEP Communication 3 hrs
- SPA 3471 Communication Disorders in Literature and Media 3 hrs
- Free Elective 3 hrs
- GEP Historical 3 hrs
- GEP Math 3 hrs

Sophomore Year - Spring 13 hrs
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- SPA 3112 Basic Phonetics 3 hrs
- SPA 3112L Basic Phonetics Lab 1 hr
- Foreign Language I (B.A.) or Health Sciences (B.S.) elective

Select 1: 3 hrs
- EAB 3703 Principles of Behavior Modification or 3 hrs
- EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
- EEX 3450 Young Children With Special Needs or 3 hrs
- EEC 4601 Introduction to Behavior Management or 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children or 3 hrs
- SPA 3472 Guidance of Young Children with Communication Disorders or 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs

Select 1: 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Summer 9 hrs
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- Foreign Language II (B.A.) or Health Sciences (B.S.) elective
- Free Elective 3 hrs

Junior Year - Fall 13 hrs
- SPA 3011 Speech Science I: Production 3 hrs
- SPA 3011L Speech Production lab 1 hr
- SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
- LIN 3713 Language Science 3 hrs
- Restricted Elective 3 hrs
## UCF Degree Programs

### Junior Year - Spring (15 hrs)
- SPA 3123 Speech Science II: Perception 3 hrs
- SPA 3123L Speech Perception Lab 1 hr
- SPA 4476 Speech Disorders Across the Lifespan 3 hrs
- SPA 3104 Neural Bases of Communication 3 hrs
- LIN 3716 Language Development 3 hrs
- LIN 3716L Language Development Lab 2 hrs

### Senior Year - Fall (15 hrs)
- SPA 4032 Audiology 3 hrs
- SPA 4400 Language Disorders Across the Life Span 3 hrs
- SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
- Restricted Elective 3 hrs

### Select 1: 3 hrs
- STA 4163 Statistical Methods II or
- SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

### Senior Year - Spring (12 hrs)
- SPA 4326 Hearing Disorders Across the Lifespan 3 hrs
- SPA 4870C Capstone Course 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs

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

### Equipment Fees
- Part-Time Student: $10 per term
- Full-Time Student: $20 per term

## Computer Engineering - Comprehensive Track (B.S.Cp.E.)

### College of Engineering and Computer Science Department of Electrical and Computer Engineering, Harris Corp. Engineering Center, Room: 346
[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

### Email: undergraduate@ece.ucf.edu

Dr. Parveen Wahid
Charlese Hilton-Brown
Diane D’Avanzo
Phone: 407-823-3327

### Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

### Degree Requirements
- Students in the Computer Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Computer Engineering major will be subject to all probation conditions that applied at the time of exclusion.

#### 1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

##### A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Select 1: 3 hrs
  - Suggested SPC 1603C Fundamentals of Technical Presentations or 3 hrs
  - Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

##### B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one course from Cultural Foundations 3 hrs

##### C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

##### D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer ECO 2013 Principles of Microeconomics or 3 hrs
  - Prefer ECO 2023 Principles of Macroeconomics 3 hrs
  - Select one course from Social Foundations 3 hrs

##### E: Science Foundations (7 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs
- Select one course from Science Foundations 3 hrs

#### 2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in CPP major courses, a 2.0 (C or better) in each course is required.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- MAC 2311C 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 Ordinary Differential Equations I 3 hrs
- PHY 2048C General Physics Using Calculus I GEP
- PHY 2049C General Physics Using Calculus II 4 hrs

##### Select 1: 4 hrs
- 1 CHS 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

1 Preferred
UCF Degree Programs

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

<table>
<thead>
<tr>
<th>Course Required for the Major</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 1006C  Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C  Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level  (48 hrs)

Engineering Core
- STA 3032  Probability and Statistics for Engineers | GEP |

Courses Required for the Major  (48 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 EGN 3211  Engineering Analysis and Computation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEL 3004C  Electrical Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEL 3123C  Networks and Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEE 3307C  Electronics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 EEE 3342C  Digital Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEL 3801C  Computer Organization</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 EEL 4742C  Embedded Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEL 4768  Computer Architecture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEL 4781  Computer Communication Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 COP 4600  Operating Systems</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

5. Restricted Electives
- Technical electives are available in the BSCpe program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

Technical Electives  (15 hrs)
- Technical elective courses are to be selected by the student from department approved courses.

6. Capstone Requirements  (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4914  Senior Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4915L  Senior Design II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Computer engineering students must earn at least 32 hours in residence at UCF.
- 24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the ECE Department at UCF and applicable to the degree program.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership
- Mathematics
- Physics

Advising Notes
- Each engineering student should meet regularly with an academic advisor, be moved to the Restricted Elective area.

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation
- EGS 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 Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

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

Freshman Year - Fall  (15 hrs)
- EGS 1006C  Introduction to the Engineering Profession | 1 hr |
- MAC 2311C  Calculus with Analytic Geometry I | 4 hrs |
- GEP- Historical Foundation | 3 hrs |
- Select 1  (3 hrs)
  - SPC 1603C  Fundamentals of Technical Presentations | 3 hrs |
  - SPC 1608  Fundamentals of Oral Communication | 3 hrs |
- Select 1:  (4 hrs)
  - CHS 1440  Principles of Chemistry | 4 hrs |
  - CHM 2045C  Chemistry Fundamentals I | 4 hrs |

Freshman Year - Spring  (15 hrs)
- EGN 1007C  Engineering Concepts and Methods | 1 hr |
- ENC 1101  Composition I | 3 hrs |
- MAC 2312  Calculus with Analytic Geometry II | 4 hrs |
- PHY 2048C  General Physics Using Calculus I | 4 hrs |
- COT 3103C  Introduction to Discrete Structures | 3 hrs |

1 Preferred
## UCF Degree Programs

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2049C General Physics Using Calculus II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EGN 3211 Engineering Analysis and Computation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COP 3330 Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3307C Electronics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ECE 3010C Computer Organization</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 3123C Networks and Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3124C Communications I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3125C Communications II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2049C General Physics Using Calculus II</td>
<td>4 hrs</td>
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<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
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<td>ENC 3123C Networks and Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3124C Communications I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3125C Communications II</td>
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</tr>
</tbody>
</table>

### Sophomore Year - Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2049C General Physics Using Calculus II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EGN 3211 Engineering Analysis and Computation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COP 3330 Object Oriented Programming</td>
<td>3 hrs</td>
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<td>STA 3032 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
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<td>4 hrs</td>
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<tr>
<td>ECE 3010C Computer Organization</td>
<td>4 hrs</td>
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<tr>
<td>ENC 3123C Networks and Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3124C Communications I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3125C Communications II</td>
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### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3330 Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3402C Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3307C Electronics I</td>
<td>4 hrs</td>
</tr>
<tr>
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### Junior Year - Spring

<table>
<thead>
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<tbody>
<tr>
<td>COP 3330 Object Oriented Programming</td>
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<td>ENC 3125C Communications II</td>
<td>3 hrs</td>
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</tbody>
</table>

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4331C Processes for Object-Oriented Software Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEN 4914 Senior Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Technical Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Technical Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Technical Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4331C Processes for Object-Oriented Software Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEN 4914 Senior Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Technical Elective</td>
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### Program Academic Learning Compacts

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

### Equipment Fees

- Part-Time Student: $42 per term
- Full-Time Student: $64 per term

### Computer Engineering - Digital Circuits Track (B.S.Cp.E.)

**College of Engineering and Computer Science**

**Department of Electrical and Computer Engineering**

**Harris Corp. Engineering Center, Room: 346**

[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

**Email:** undergraduate@ece.ucf.edu

Dr. Parveen Wahid

Charlese Hilton-Brown

Diane D’Avanzo

### Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.

- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

### Degree Requirements

- Students in the Computer Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP).

Therefore, any student majoring in Computer Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Computer Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Computer Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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

- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

### A: Communication Foundations (9 hrs)

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

### B: Cultural & Historical Foundations (9 hrs)

- Select two courses from Historical Foundations | 6 hrs
- Select one course from Cultural Foundations | 3 hrs

### C: Mathematical Foundations (7 hrs)

- Required MAC 2311C Calculus with Analytic Geometry I | 4 hrs
- Required STA 3032 Probability and Statistics for Engineers | 3 hrs

### D: Social Foundations

- Select one course from Social Foundations | 3 hrs

### E: Science Foundations

- Required PHY 2048C General Physics Using Calculus I | 4 hrs
- Select one course from Science Foundations | 3 hrs
2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in CpE major courses, a 2.0 (C or better) in each course is required.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PHY 2048C General Physics Using Calculus I GEP
PHY 2049C General Physics Using Calculus II 4 hrs
MAP 2320 Ordinary Differential Equations I 3 hrs

Select 1: 4 hrs
1 CHS 1440 Principles of Chemistry or 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
1 Preferred

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

EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (48 hrs)
Engineering Core
STA 3032 Probability and Statistics for Engineers GEP

Courses Required for the Major
EGN 3211 Engineering Analysis and Computation 3 hrs
COT 3100C Introduction to Discrete Structures 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 3 hrs
COP 3330 Object Oriented Programming 3 hrs
EEL 3926L Junior Design 1 hr
EEL 3004C Electrical Networks 3 hrs
EEL 3123C Networks and Systems 3 hrs
EEL 3307C Electronics I 4 hrs
EEL 3342C Digital Systems 3 hrs
EEL 3801C Computer Organization 4 hrs
EEL 4742C Embedded Systems 3 hrs
EEL 4768 Computer Architecture 3 hrs
EEL 4781 Computer Communication Networks 3 hrs

Select 2: 6 hrs
EEL 4346C Hardware Security and Trusted Circuit Design or 3 hrs
EEL 4314 Device Electronics for Integrated Circuits or 3 hrs
EEL 4783 Hardware Description Languages in Digital Systems Design or 3 hrs
EEL 5704 Computer Aided Logical Design or 3 hrs
EEL 5353 Semiconductor Device Modeling and Simulation or 3 hrs
EEL 5356C Fabrication of Solid-State Devices or 4 hrs
EEL 5378 CMOS Analog and Digital Circuit Design or 3 hrs
EEL 5390C Full-Custom VLSI Design 3 hrs

5. Restricted Electives
- Technical electives are available in the BSCpE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

Technical Electives (15 hrs)
- Technical elective courses are to be selected by the student from department approved courses.

6. Capstone Requirements (6 hrs)
EEL 4914 Senior Design I 3 hrs
EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
- None

8. Electives
- None

9. Additional Requirements
- Computer engineering students must earn at least 32 hours in residence at UCF.
- 24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the ECE Department at UCF and applicable to the degree program.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

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

Total Semester Hours Required
- 128

Honors in Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership
- Mathematics
- Physics

Advising Notes
- Each engineering student should meet regularly with an academic advisor in the major department.
- The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated Program section in the back of this catalog for more information.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 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 Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None
# UCF Degree Programs

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

### Freshman Year - Fall
- **15 hrs**
- EGS 1096C Introduction to the Engineering Profession 1 hr
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP-Historical Foundation 3 hrs

### Select 1:
- **3 hrs**
  - 1 SPC 1603C Fundamentals of Technical Presentations 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs

### Senior Year - Spring
- **12 hrs**
- EEL 3926L Junior Design 1 hr
- EEL 4768 Computer Architecture 3 hrs
- COP 3503C Computer Science II 3 hrs
- GEP-Social Foundation 3 hrs

### Select 1:
- **4 hrs**
  - CHS 1440 Principles of Chemistry or 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs

1 Preferred

### Freshman Year - Spring
- **15 hrs**
- EGN 107C Engineering Concepts and Methods 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2049C General Physics Using Calculus I 4 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs

### Sophomore Year - Fall
- **14 hrs**
- PHY 2049C General Physics Using Calculus I 4 hrs
- EGN 3211 Engineering Analysis and Computation 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- GEP-Historical Foundation 3 hrs

### Sophomore Year - Spring
- **15 hrs**
- EEL 3004C Electrical Networks 3 hrs
- EEE 3342C Digital Systems 3 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP Science Foundation 3 hrs

### Sophomore Year - Summer
- **10 hrs**
- EEL 3123C Networks and Systems 3 hrs
- EEL 3801C Computer Organization 4 hrs
- GEP-Cultural Foundation 3 hrs

### Junior Year - Fall
- **16 hrs**
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EEE 3307C Electronics I 4 hrs
- GEP-Social Foundation 3 hrs

### Junior Year - Spring
- **16 hrs**
- COP 3503C Computer Science II 3 hrs
- EEL 4742C Embedded Systems 3 hrs
- EEL 4768 Computer Architecture 3 hrs
- EEL 3926L Junior Design 1 hr
- Senior Elective 3 hrs

### Select 1:
- **3 hrs**
  - ECO 2013 Principles of Macroeconomics or 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

### Senior Year - Fall
- **15 hrs**
- EEL 4914 Senior Design I 3 hrs
- Senior Elective 3 hrs
- Technical Elective 3 hrs
- Technical Elective 3 hrs
- Technical Elective 3 hrs

### Senior Year - Spring
- **12 hrs**
- EEL 4915L Senior Design II 3 hrs
- EEL 4761 Computer Communication Networks 3 hrs
- Technical Elective 3 hrs
- Technical Elective 3 hrs

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

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## Computer Science (B.S.)

**College of Engineering and Computer Science**
**Department of Computer Science, Harris Corp. Engineering Center, Room: 346**
**http://www.cs.ucf.edu**

**Email:** undergraduate@cs.ucf.edu
**Dr. Ali Orooji**
**Jenny Shen**
**Phone:** 407-823-2341

Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

### Admission Requirements
- **None**

### Degree Requirements
- **General Education Program (GEP)**
  - **18 of the 24 Residency hours must be at the 4000-5000 level**
  - Students must complete at least a 2.0 in each course 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 the Computer Science Division at UCF**

- **Students must earn at least a 2.0 in each course 2-5**

- **Students in the Computer Science major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Science who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Computer Science who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.**

- **A student who is excluded from all CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is reaccepted to the Computer Science major will be subject to all probation conditions that applied at the time of exclusion.**

- **1. UCF General Education Program (GEP) (39 hrs)**
  - **A: Communication Foundations (9 hrs)**
    - Required ENC 1101 Composition I 3 hrs
    - Required ENC 1102 Composition II 3 hrs

  - **Select 1:**
    - **3 hrs**
      - Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

  - **B: Cultural & Historical Foundations (9 hrs)**
C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
Prefer BSC 2010C Biology I 4 hrs
Prefer PHY 2046C General Physics Using Calculus I 4 hrs

2. Common Program Prerequisites (CPP) (17 hrs)

A “C” (2.0) or better is required in all courses in this area.
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1:
- COP 3223C Introduction to Programming with C 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- PHY 2048C General Physics Using Calculus I 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs

Select 2:
- 4 hours for this requirement assumes that BSC 2010C is taken since the hours for this course are also in the GEP.
- BSC 2010C Biology I or GEP
- BSC 2011C Biology II or GEP
- CHM 2045C Chemistry Fundamentals I or GEP
- CHM 2046 Chemistry Fundamentals II or GEP
- PHY 3101 General Physics Using Calculus III 3 hrs

3. Core Requirements: Basic Level (30 hrs)
A “C” (2.0) or better is required in all courses in this area.

Select 1:
- STA 2023 Statistical Methods I or GEP
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 3 hrs
- CDA 3103C Computer Logic and Organization 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs
- CIS 3360 Security in Computing 3 hrs
- COP 3402 Systems Software 3 hrs
- COP 4210 Discrete Structures II 3 hrs
- COP 4331C Processes for Object-Oriented Software Development 3 hrs
- COT 3960 CS Foundation Exam 0 hrs
- ENC 3241 Writing for the Technical Professional or GEP
- ENC 3250 Professional Writing 3 hrs

4. Core Requirements: Advanced Level (18 hrs)
At most 3 hours of independent study or research allowed. No internship or cooperative education credits are allowed.
It is recommended that students take at least 3 classes from a primary area to gain an in-depth knowledge in that area of Computer Science.
It is recommended that students take classes from at least 2 different secondary areas to gain a broad knowledge of Computer Science. These courses may also be listed in the student’s primary area.
A “C” (2.0) or better is required in all courses in this area.
Students must maintain at least a 2.5 GPA in all courses in this section.

Systems Area
- COP 4520 Concepts of Parallel and Distributed Processing 3 hrs
- COP 4600 Operating Systems 3 hrs
- COP 4710 Database Systems 3 hrs
- EEL 4768 Computer Architecture 3 hrs
- CDA 5106 Advanced Computer Architecture 3 hrs
- COP 5611 Operating Systems Design Principles 3 hrs
- COP 5711 Parallel and Distributed Database Systems 3 hrs

AI and Machine Learning Area
- CAP 4053 AI for Game Programming 3 hrs
- CAP 4453 Robot Vision 3 hrs
- CAP 4630 Artificial Intelligence 3 hrs
- CAP 5415 Computer Vision 3 hrs
- CAP 5512 Evolutionary Computation 3 hrs
- CAP 5610 Machine Learning 3 hrs
- CAP 5636 Advanced Artificial Intelligence 3 hrs

Graphics, Games, and HCI Area
- CAP 4053 AI for Game Programming 3 hrs
- CAP 5104 Foundations of HCI 3 hrs
- CAP 4720 Computer Graphics 3 hrs
- CNT 5008 Computer Communication Networks 3 hrs
- CAP 5725 Computer Graphics I 3 hrs

Algorithms and Complexity Area
- COT 4500 Numerical Calculus 3 hrs
- CAP 5510 Bioinformatics 3 hrs
- CAP 5512 Evolutionary Computation 3 hrs
- COP 5021 Program Analysis 3 hrs
- COP 5537 Network Optimization 3 hrs
- COT 5405 Design and Analysis of Algorithms 3 hrs

Software Engineering Area
- CIS 4615 Secure Software Development and Assurance 3 hrs
- COP 4020 Programming Languages I 3 hrs
- COP 4520 Concepts of Parallel and Distributed Processing 3 hrs
- COP 4710 Database Systems 3 hrs
- CEN 5016 Software Engineering 3 hrs
- COP 5021 Program Analysis 3 hrs
- COP 5711 Parallel and Distributed Database Systems 3 hrs

Cybersecurity Area
- CIS 3382 Cryptography and Information Security 3 hrs
- CIS 4203 Digital Forensics 3 hrs
- CIS 4361 Secure Operating Systems and Administration 3 hrs
- CIS 4615 Secure Software Development and Assurance 3 hrs
- CIS 4940C Topics in Cybersecurity 3 hrs
- CNT 4403 Network Security and Privacy 3 hrs
- EEE 4346C Hardware Security and Trusted Circuit Design 3 hrs
- CAP 4145 Introduction to Malware Analysis 3 hrs

Big Data Area
- COP 4520 Concepts of Parallel and Distributed Processing 3 hrs
- COP 4710 Database Systems 3 hrs
- COT 4500 Numerical Calculus 3 hrs
- EEL 4768 Computer Architecture 3 hrs
- CDA 5106 Advanced Computer Architecture 3 hrs
- CNT 5008 Computer Communication Networks 3 hrs
- CEN 5015 Architecture 3 hrs
- CDA 5110 Parallel Architecture and Algorithms 3 hrs
- COP 5611 Operating Systems Design Principles 3 hrs
- CAP 5610 Machine Learning 3 hrs
- COP 5711 Parallel and Distributed Database Systems 3 hrs
- CNT 4425C Cloud Computing Management 3 hrs

Vision and Robotics Area
- CAP 4453 Robot Vision 3 hrs
- CAP 4720 Computer Graphics 3 hrs
- CAP 5415 Computer Vision 3 hrs
- CAP 5725 Computer Graphics I 3 hrs
- EGN 4090C Introduction to Robotics 3 hrs
- EEL 4860 Robotic Systems 3 hrs
- EEL 5820 Image Processing 3 hrs

Computer Networks Area
- CNT 4403 Network Security and Privacy 3 hrs
- CNT 4704 Analysis of Computer Communication Networks 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs
- CNT 5008 Computer Communication Networks 3 hrs
- CDA 5110 Parallel Architecture and Algorithms 3 hrs
- COP 5611 Operating Systems Design Principles 3 hrs
- CNT 5805 Network Science 3 hrs
- EEL 5780 Wireless Networks 3 hrs

5. Restricted Electives
A “C” (2.0) or better is required in all courses in this area.

UNIVERSITY OF CENTRAL FLORIDA
### UCF Degree Programs

#### Advanced mathematics or statistics 6 hrs
- Choose at least two courses from the following list of approved choices to satisfy this requirement:
  - Any 4000-5000 level courses with STA, MAP, MAA, MAD or MAS prefixes, except independent study hours, internship, or cooperative education hours.
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Ordinary Differential Equations I 3 hrs
  - MAS 3105 Matrix and Linear Algebra 4 hrs
  - MAS 3106 Linear Algebra 4 hrs

#### Capstone Requirements (6 hrs)
- A "C" (2.0) or better is required in the two courses.
  - COP 4934 Senior Design I 3 hrs
  - COP 4935 Senior Design II 3 hrs

### Freshman Year - Spring 12 hrs
- ENC 1101 Composition I 3 hrs
- COP 1600C Fundamentals of Technical Presentations 3 hrs
- COP 3223C Introduction to Programming with C 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs

### Freshman Year - Summer 7 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- COP 3330 Object Oriented Programming 3 hrs

### Sophomore Year - Fall 13 hrs
- COP 3402 Systems Software 3 hrs
- COP 3503C Computer Science II 3 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- GEP 3 hrs

### Sophomore Year - Spring 13 hrs
- COP 4331C Processes for Object-Oriented Software Development 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- CIS 3360 Security in Computing 3 hrs

### Junior Year - Fall 13 hrs
- COP 4210 Discrete Structures II 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

### Junior Year - Summer 6 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs

### Senior Year - Fall 13 hrs
- Area Course 3 hrs
- Area Course 3 hrs
- Area Course 3 hrs
- Area Course 3 hrs
- Area Course 3 hrs

### Senior Year - Spring 12 hrs
- Area Course 3 hrs
- Area Course 3 hrs
- Area Course 3 hrs

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

### Equipment Fees
- Part-Time Student: $28 per term
- Full-Time Student: $57 per term

### Construction Engineering (B.S.Con.E.)
#### College of Engineering and Computer Science
#### Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
[http://www.cece.ucf.edu](http://www.cece.ucf.edu)

Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Amr A. Oloufa, amr.oloufa@ucf.edu
Phone: 407-823-2841

#### Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C or CHM 2040 AND CHM 2041.
Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

Students in the Construction Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Construction Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Construction Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Construction Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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

The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University system should complete the GEP and the Common Program Prerequisites before transitioning.

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Select two courses from Historical Foundations 6 hrs
Select one class from MUL 2010, PHI 2010 or THE 2000 3 hrs

C: Mathematical Foundations (7 hrs)

Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 3033 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)

Select one class from Social Foundation Group 1 3 hrs
Select one course from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)

Required PHY 2048C General Physics Using Calculus I 4 hrs
Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311C and PHY 2048/48L also satisfy UCF GEP.

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

A grade of “C” (2.0) or better is required in each course in this section.

MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312C Calculus with Analytic Geometry II 4 hrs
MAC 2313C Calculus with Analytic Geometry III 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
PHY 2048C General Physics Using Calculus I GEP
PHY 2049C General Physics Using Calculus II 4 hrs

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

3. Core Requirements: Basic Level (2 hrs)

EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (55 hrs)

1 EGN 3319 Engineering Analysis-Statics 3 hrs
1 EGN 3321 Engineering Analysis-Dynamics 3 hrs
1 EGN 3331C Mechanics of Materials 3 hrs
1 STA 3032 Probability and Statistics for Engineers GEP
1 EGN 3613 Engineering Economic Analysis 2 hrs
1 ENV 3001 Environmental Engineering 3 hrs
1 CWR 3201 Engineering Fluid Mechanics 3 hrs
1 CCE 4003 Introduction to the Construction Industry 3 hrs
1 CCE 4034 Construction Estimating and Scheduling 3 hrs
1 CCE 4813 Mechanical and Electrical Systems for Buildings 3 hrs
1 CCE 4402 Construction Equipment and Productivity 3 hrs
1 CCE 4004 Construction Methods 3 hrs
1 CEG 4011C Geotechnical Engineering I 4 hrs
1 CGN 3501C Civil Engineering Materials 3 hrs
1 CEN 3700C Civil Engineering Measurements 2 hrs
1 ACG 2071 Principles of Managerial Accounting 3 hrs
1 CES 4100C Structural Analysis I and Lab 4 hrs
1 CGN 3405 Applied Numerical Methods for Civil Engineering 3 hrs
1 CWR 4202C Hydraulics 3 hrs

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

5. Restricted Electives (8 hrs)

Technical electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students should consult the CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

1 Required Senior Design Courses
  1 CEG 4810C Construction Design Project 3 hrs
  1 CGN 4808C CECE Capstone Design 3 hrs

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

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.

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Graduation

- None

8. Electives

- None

9. Additional Requirements

- Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 128

Honors In Major

- None

Related Programs

- Civil Engineering
- Environmental Engineering

Certificates

- None

Related Minors

- Mathematics
- Engineering Leadership
- Business

Advising Notes

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

Transfer Notes

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

(128 hrs)

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

Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- GEP 3 hrs

Sophomore Year - Fall

- MAC 2313 Calculus with Analytic Geometry II 4 hrs
- PHY 2049C General Physics Using Calculus I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3613 Engineering Economic Analysis 2 hrs

Sophomore Year - Spring

- MAC 2313 Calculus with Analytic Geometry II 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- GEP 3 hrs
- ENV 3001 Environmental Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Sophomore Year - Summer

- CCE 4003 Introduction to the Construction Industry 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- GEP 3 hrs

Junior Year - Fall

- CES 4100C Structural Analysis I and Lab 4 hrs
- GEP 3 hrs
- CCE 4034 Construction Estimating and Scheduling 3 hrs
- CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
- CGN 3700C Civil Engineering Measurements 2 hrs

Junior Year - Spring

- CCE 4004 Construction Methods 3 hrs
- CCE 4402 Construction Equipment and Productivity 3 hrs
- CCE 4810C Construction Design Project 3 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- GEP 3 hrs

Senior Year - Fall

- CGN 3501C Civil Engineering Materials 3 hrs
- Approved Technical Elective 2 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CWR 4202C Hydraulics 3 hrs
- GEP 3 hrs

Senior Year - Spring

- CGN 4808C CEEC Capstone Design 3 hrs
- GEP 3 hrs
- Technical Electives 6 hrs

Program Academic Learning Compacts

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

Equipment Fees

- Part-Time Student: $43 per term
- Full-Time Student: $85 per term

Criminal Justice (B.A. / B.S.)

College of Health and Public Affairs

Department of Criminal Justice,
Health and Public Affairs, Room: 311
http://www.coahpa.ucf.edu/krim.jus/
Email: cjadvise@ucf.edu
Cory Watkins
Phone: 407-823-2603

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.

UNIVERSITY OF CENTRAL FLORIDA
Students should complete the General Education Program before transferring within the Florida College System or State University system.

The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.

Students must earn a grade of "C" (2.0) or better in each core course.

Students must earn a minimum 2.0 overall GPA in courses used towards the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) None
3. Core Requirements: Basic Level None
4. Core Requirements: Advanced Level (30 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   CJE 3001 Careers in Criminal Justice 4 hrs
   CCJ 3024 Criminal Justice System 3 hrs
   CCJ 3014 Crime in America 3 hrs
   CCJ 4701C Research Methods in Criminal Justice 4 hrs
   CCJ 4746C Data Analysis for Criminal Justice 4 hrs
   CJE 4014 Police and Society 3 hrs
   CJL 3510 Prosecution and Adjudication 3 hrs
   CJC 3010 Corrections and Penology 3 hrs
   CCJ 4054 Capstone: Criminal Justice Ethics 3 hrs

5. Restricted Electives (30 hrs)
Criminal Justice Upper Level Electives
21 hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.

Supporting Electives
9 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 using a portion of the completed hours from a minor in another program approved by the department.

6. Capstone Requirements
CCJ 4054 Capstone: Criminal Justice Ethics is required for this major.

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
Students 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 9 hour supporting course requirement. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
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.

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

Total Semester Hours Required
120

Honors In Major
Interested students should consult with a faculty advisor.

Related Programs
Legal Studies
Certificates
Crime Analysis and Crime Mapping
Criminal Profiling
Security Management
Crime Scene Investigation
Victim Advocacy
Criminal Justice Management and Leadership Certificate

Related Minors
Legal Studies
Public Administration
Psychology

Advising Notes
None

Transfer Notes
Grades below a “C” (2.0) are not accepted in the core.
Lower division courses do not substitute for upper division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
None

Plan of Study

Freshman Year - Fall 12 hrs
ENC 1101 Composition I 3 hrs
GEP Math 3 hrs
GEP Social 3 hrs
GEP Historical 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
GEP Math 3 hrs
GEP Science 3 hrs
GEP Cultural 3 hrs
GEP Social 3 hrs

Sophomore Year - Fall 16 hrs
GEP Communication 3 hrs
GEP Historical 3 hrs
GEP Science 3 hrs
Free Elective 3 hrs
CCJ 3001 Careers in Criminal Justice 4 hrs
### Criminal Justice Scholar’s Track (B.A. / B.S.)

**College of Health and Public Affairs**  
**Department of Criminal Justice, Health and Public Affairs 1, Room: Room 311**  
**Email:** cjadvise@ucf.edu  
Cory Watkins, UG Program Director  
Phone: 407-823-2603

#### Admission Requirements
- An application is required. Minimum overall GPA of 3.0 for Admission.  
- Applicant must declare this specific track with the aid of and advisor  
- A grade of “B” (3.0) or better in ENC 1101 and ENC 1102 is required.  
- Students whose overall GPA falls below 3.0 out of a possible 4.0 will not be permitted to continue in the track and will be transferred to the Criminal Justice BA/BS degree.

#### 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 College System or State University System.  
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.

#### Sophomore Year - Spring
- CCJ 3014 Crime in America 3 hrs  
- CCJ 3024 Criminal Justice System 3 hrs  
- Free Elective 3 hrs  
- Supporting Elective 3 hrs

#### Sophomore Year - Summer
- Core Course (CJE 4014, CJL 3510, CCJ 3010) 3 hrs

#### Junior Year - Fall
- Core Course (CJE 4014, CJL 3510, CCJ 3010) 16 hrs  
- Free Elective 3 hrs  
- Supporting Elective 3 hrs  
- CCJ 4701C Research Methods in Criminal Justice 4 hrs  
- CCJ Restricted Elective 3 hrs

#### Junior Year - Spring
- Core Course (CJE 4014, CJL 3510, CCJ 3010) 16 hrs  
- CCJ 4746C Data Analysis for Criminal Justice 4 hrs  
- Free Elective 3 hrs  
- Restricted Elective 3 hrs  
- Supporting Elective 3 hrs

#### Senior Year - Fall
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Free Elective 3 hrs

#### Senior Year - Spring
- 1 Free Elective 3 hrs  
- 1 Free Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective or Criminal Justice Internship. The department strongly encourages the internship experience.  

1 If necessary

**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](http://www.oesas.ucf.edu/alc/academic_learning_compacts.htm)

**UCF Degree Programs**

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<tr>
<th>Year</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<td>3 hrs</td>
</tr>
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<td>Sophomore Year - Summer</td>
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<td>Free Elective</td>
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<td>Supporting Elective</td>
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<td></td>
<td>CCJ 4701C Research Methods in Criminal Justice</td>
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<td></td>
<td>CCJ Restricted Elective</td>
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<td>Junior Year - Spring</td>
<td>Core Course (CJE 4014, CJL 3510, CCJ 3010)</td>
<td>16 hrs</td>
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<tr>
<td></td>
<td>CCJ 4746C Data Analysis for Criminal Justice</td>
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<td>Free Elective</td>
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<td>Free Elective</td>
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<td>Senior Year - Spring</td>
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<td>3 hrs</td>
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<tr>
<td></td>
<td>Restricted Elective or Criminal Justice Internship. The department strongly encourages the internship experience.</td>
<td>3 hrs</td>
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</tr>
</tbody>
</table>

1 If necessary

**Graduation**
- Students pursuing a 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 9 hour supporting course requirement. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

**Scholar’s Seminar**  
- Students must complete four Scholar’s Seminar courses (CCJ 4934), each with a grade of “B” (3.0) or better.

**Restrictions Electives**  
- Students must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 9 hour supporting course requirement.

**Capstone Requirements**  
- CCJ 4054 Capstone: Criminal Justice Ethics is required for this major.

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

**Electives**  
- None

**Additional Requirements**  
- Students whose overall GPA falls below 3.0 out of a possible 4.0 will not be permitted to continue in the track and will be transferred to the Criminal Justice BA/BS degree.
## UCF Degree Programs

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- 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.
- Students must maintain an overall GPA of 3.0 out of a possible 4.0.

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

### Total Semester Hours Required
- 120

### Honors In Major
- Interested students should consult with a faculty advisor.

### Related Programs
- Legal Studies
- Public Administration

### Certificates
- Crime Analysis and Crime Mapping
- Criminal Profiling
- Security Management
- Crime Scene Investigation
- Victim Advocacy
- Criminal Justice Management and Leadership Certificate

### Related Minors
- Legal Studies
- Public Administration
- Psychology

### Advising Notes
- Students are not accepted into Internship Program with grades less than a “C” in core courses.

### Transfer Notes
- “D” (1.0) grades are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- GEP Math  3 hrs
- GEP Social  3 hrs
- GEP Historical  3 hrs

#### Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- GEP Math  3 hrs
- GEP Science  3 hrs
- GEP Social  3 hrs
- GEP Cultural  3 hrs

#### Sophomore Year - Fall
- GEP Communication  3 hrs
- CJE 3001  Careers in Criminal Justice  4 hrs
- GEP Historical  3 hrs
- GEP Science  3 hrs
- Free Elective  3 hrs

#### Sophomore Year - Spring
- CCJ 3014  Crime in America  3 hrs
- CCJ 3024  Criminal Justice System  3 hrs
- Free Elective  3 hrs
- Supporting Elective  3 hrs

#### Sophomore Year - Summer
- Core Course (CJE 4014, CJC 3010)  3 hrs

#### Junior Year - Fall
- Admissions to scholars track requires 3.0 overall GPA
- CCJ 4701C  Research Methods in Criminal Justice  4 hrs
- CCJ 4934  Emergent Criminal Justice Issues  3 hrs
- Supporting Elective  3 hrs
- Restricted Elective  3 hrs
- Core Course (CJE 4014, CJC 3510, CJC 3010)  3 hrs

#### Junior Year - Spring
- CCJ 4746C  Data Analysis for Criminal Justice  4 hrs
- CCJ 4934  Emergent Criminal Justice Issues  3 hrs
- Restricted Elective  3 hrs
- Supporting Elective  3 hrs
- Core Course (CJE 4014, CJC 3510, CJC 3010)  3 hrs

#### Junior Year - Summer
- CCJ 4054  Capstone: Criminal Justice Ethics - The Culminating Experience  3 hrs
- Free Elective  3 hrs

#### Senior Year - Fall
- CCJ 4934  Emergent Criminal Justice Issues  3 hrs
- Restricted Elective  3 hrs
- Internship  3 hrs
- CJ Elective  3 hrs
- Free Elective  3 hrs

#### Senior Year - Spring
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- CCJ 4934  Emergent Criminal Justice Issues  3 hrs
- CJ Elective or CCJ Internship  3 hrs
- The department strongly encourages internships.

### 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)

### Digital Media (B.A.)

#### College of Arts and Humanities

#### School of Visual Arts and Design,

Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The B.A. in Digital Media allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Two specializations -Game Design and Web Design - lead to a Bachelor of Arts degree.

#### 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 24 hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- Students must earn at least a "C" (2.0) in each required course, except DIG 2000 and DIG 4713 as noted.
- Co-op or internship credits are not permitted in this major without prior written permission.

- Students should consult with a School advisor at least once annually.

1. UCF General Education Program (GEP)  (37 hrs)
   - Communication Foundations  (9 hrs)
   - Cultural & Historical Foundations  (9 hrs)

   Take all of the following:  9 hrs
   - Required ARH 2050 History of Western Art I and
     - Required ARH 2051 History of Western Art II and
     - Select one additional course from approved list 3 hrs

   C: Mathematical Foundations  (7 hrs)
   - Required COP 2500C Concepts in Computer Science  4 hrs
   - Required MAC 1105C College Algebra  3 hrs

   1 (May substitute more advanced version)

D: Social Foundations  (6 hrs)

E: Science Foundations  (6 hrs)

2. Common Program Prerequisites (CPP)  (6 hrs)

   ARH 2050 History of Western Art I  GEP
   ARH 2051 History of Western Art II GEP
   ART 2201C Design Fundamentals-Two Dimensional  3 hrs
   ART 2300C Drawing Fundamentals I  3 hrs
   COP 2500C Concepts in Computer Science  GEP
   MAC 1105C College Algebra  GEP

3. Core Requirements: Basic Level  (12 hrs)

   Admission to all courses after DIG 2000 is dependent on the student achieving at least a "B" (3.0) in DIG 2000.

Digital Media Core: Basic

- DIG 2000 Introduction to Digital Media  3 hrs
- DIG 2030 Digital Video Fundamentals  3 hrs
- DIG 2109 Digital Imaging Fundamentals  3 hrs
- DIG 2500 Fundamentals of Interactive Design  3 hrs

4. Core Requirements: Advanced Level  (12 hrs)

Digital Media Core: Advanced

- DIG 3024 Digital Cultures & Narrative  3 hrs
- DIG 3480 Computer as a Medium  3 hrs
- DIG 3525 Digital Media Production I  3 hrs
- DIG 4780C Modeling for Realtime Systems  3 hrs

Game Design  42 hrs

Admission to all courses after DIG 4713 is dependent on the student achieving at least a "B" (3.0) in DIG 4713.

Game Design: Basic Concentration  24 hrs

- COP 3223C Introduction to Programming with C and  3 hrs
- COP 3330 Object Oriented Programming and  3 hrs
- DIG 4630C Media Business Practices and  3 hrs
- DIG 4713 Game Design and  3 hrs
- DIG 4715C Game Production and  3 hrs
- DIG 4720C Game Design and  3 hrs
- DIG 4725C Game Design Workshop  6 hrs

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.
  - 12 Additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level courses approved by the school.
  - DIG 4725C Game Design Workshop  6 hrs

Web Design  42 hrs

Web Design: Basic Concentration  24 hrs

- DIG 3134 Media Software Design and  3 hrs
- DIG 3563 Information Management and  3 hrs
- DIG 3716C Internet Interaction and  3 hrs
- DIG 3811 User-Centered Design and  3 hrs
- DIG 4503 Rapid Application Web Development and  3 hrs
- DIG 4530C Media for e-Commerce and  3 hrs
- DIG 4630C Media Business Practices and  3 hrs
- GRA 3803C Intermediate Computer Graphic Design  3 hrs

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.
    - 12 additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school.
  - DIG 4104C Web Design Workshop  6 hrs

5. Restricted Electives

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

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

8. Electives

- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors In Major

- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-major.

Related Programs

- Art
- Computer Science
- English - Creative Writing
- English - Literature
- English - Technical Communication
- Film - Cinema Studies Track
- Music

Certificates

- None
## UCF Degree Programs

### Game Design

<table>
<thead>
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<th>Plan of Study</th>
<th>semesters</th>
<th>credits</th>
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<td>Freshman Year - Fall</td>
<td>15 hrs</td>
<td>ARH 2050 History of Western Art I 3 hrs</td>
<td>ENC 1101 Composition I 3 hrs</td>
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<td>MAC 1105C College Algebra 3 hrs</td>
<td>GEP Cultural &amp; Historical Foundation 3 hrs</td>
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<td>GEP Social Foundation 3 hrs</td>
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<tr>
<td>Freshman Year - Spring</td>
<td>16 hrs</td>
<td>ARH 2051 History of Western Art II 3 hrs</td>
<td>COP 2500C Concepts in Computer Science 4 hrs</td>
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<td>DIG 2000 Introduction to Digital Media 3 hrs</td>
<td>ENC 1102 Composition II 3 hrs</td>
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<td>Sophomore Year - Spring</td>
<td>15 hrs</td>
<td>ART 2201C Design Fundamentals Two Dimensional 3 hrs</td>
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<td>GEP Communication Foundation 3 hrs</td>
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<tr>
<td>Junior Year - Fall</td>
<td>13 hrs</td>
<td>DIG 3553 Information Management and Entrepreneurship 3 hrs</td>
<td>DIG 4630C Media Business Practices 3 hrs</td>
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<td>DIG 3591 Media Software Design 3 hrs</td>
<td>Foreign Language Elementary Level I 4 hrs</td>
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<td>DIG 3716C Internet Interaction 3 hrs</td>
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<td></td>
<td>DIG 3811 User-Centered Design 3 hrs</td>
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## Related Minors
- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music

## Admitting Notes
- Grades less than ‘C’ (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses
- None

## Web Design

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<th>semesters</th>
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## 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](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees
- Part-Time Student: $16.50 per term
- Full-Time Student: $33 per term

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**Early Childhood Development and Education Track**

1: Education: Pre-Kindergarten - Primary (PK-3)

(B.S.)

**College of Education and Human Performance**

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

**Education Building, Room: 209**

[http://education.ucf.edu/ece/](http://education.ucf.edu/ece/)

**Email:** ece@mail.ucf.edu

Dr. Judy Levin, ED 122L, Judith.Levin@ucf.edu

Phone: 407-823-4615
UCF Degree Programs

EDUCATION: PRE-KINDERGARTEN-PRIMARY (PK-3) TRACK

Early Childhood Development and Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in the Education: Pre-Kindergarten-Primary (Pre-K-3rd) Track are working toward teacher certification in Pre-Kindergarten-Primary (PK-3) with ESOL Endorsement and Reading Endorsement. Students in this track take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the students in this track with an integration of theory and practice in school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Complete all Education Common Program Prerequisite courses with a minimum grade of "C" (2.0) or better.
- Pass all four parts of the General Knowledge Test.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements

- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by email (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Passing scores on ALL three sections of the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites.
- FTCE General Knowledge Test (GKT)-passing scores on the GKT is required prior to admission to the major.
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) are required prior to entry into Internship.
- FTCE General Knowledge Test (GKT) - passing scores on the GKT are strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) are required prior to entry into Internship.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

- Required: ENC 1101 Composition I 3 hrs
- Required: ENC 1102 Composition II 3 hrs
- Prefer: SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- General Education Program elective from section B2: 3 hrs

section B2:

- Prefer: MUL 2010 Enjoyment of Music 3 hrs
- Prefer: PHI 2010 Introduction to Philosophy or 3 hrs
- Prefer: THE 2000 Theatre Survey 3 hrs
- General Education Program elective from section B1 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1 3 hrs

C: Mathematical Foundations (6 hrs)

- Select 1: 3 hrs

D: Social Foundations (6 hrs)

- Prefer: POS 2041 American National Government 3 hrs
- Prefer: PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)

- Select 1: 3 hrs

D: Social Foundations

- Prefer: ANT 2511 The Human Species or 3 hrs
- Prefer: BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)

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

EDF 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (15 hrs)

Other Program Prerequisites

- 1EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
- MAE 3310 Elementary Mathematics for Teaching I 3 hrs
- Elective 3 hrs

Select 1: 3 hrs

- Prefer: ARE 2000 Early Childhood Art and Creativity or 3 hrs
- Prefer: MUE 2211 Early Childhood Music and Movement 3 hrs

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)

- All methods/specialization/foundations courses must be completed with a letter grade of "C" (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.

Semester I 15 hrs

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to admission to the major.

EEC 3700 Social and Emotional Development of Young Children 3 hrs
EEC 4661 Early Childhood Education Theory and Practice 3 hrs
EXX 4751 Parent Involvement in Education 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

- Students in Schools 3 hrs

- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
### UCF Degree Programs

#### Semester II 15 hrs
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.
- EEC 4004 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- Summer 6 hrs
  - Passing scores on all sections [General Knowledge, Professional, and Subject Area (Pre-kindergarten/Primary PK -3)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship.
  - EEC 4033 Planning Creative Activities in Early Childhood Education 3 hrs
  - RED 3012 Basic Foundations of Reading 3 hrs

#### Semester III 12 hrs
- Based on recommendations below, the student should achieve a passing score on all applicable sections of the Florida Teacher Certification Examination prior to entry into Student Teaching (EEC 4943 Internship).
- 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](http://www.clinicalexperiences.education.ucf.edu).
- MUE 2211 Early Childhood Music and Movement 3 hrs
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- POS 2041 American National Government 3 hrs
- THE 2000 Theatre Survey 3 hrs
- EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs

#### Semester IV 12 hrs
- Satisfactory completion of Internship requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.
- EEC 4943 Student Teaching 12 hrs

### 5. Restricted Electives
- None

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation
- None

#### 8. Electives
- None

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Achieve a minimum overall 2.75 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. Together these assignments provide potential employers with a snapshot picture of the skills attained in your academic program.
- All teacher education candidates, Life Long Learning majors and Early Childhood Development and Education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. See [http://livetext.education.ucf.edu/](http://livetext.education.ucf.edu/).
- Complete ESOL standards assessment tracking requirements in LiveText for the ESOL endorsement (only for those completing ESOL endorsement requirements in LiveText for the ESOL endorsement).
- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

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

#### Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- None

#### Certificates
- None

#### Related Minors
- None

#### Advising Notes
- None

#### Transfer Notes
- None

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

#### Freshman Year - Fall 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

#### Freshman Year - Spring 12 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PSC 1121 Physical Science 3 hrs
- Select 1: 3 hrs
  - MUL 2010 Enjoyment of Music or 3 hrs
  - PHI 2010 Introduction to Philosophy or 3 hrs
  - THE 2000 Theatre Survey 3 hrs

#### Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs
- Select 1: 3 hrs
  - ARE 2000 Early Childhood Art and Creativity or 3 hrs
  - MUE 2211 Early Childhood Music and Movement 3 hrs
**Junior Year - Spring** 15 hrs  
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs  
EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs  
GEP B3 Elective (Preferred course from section B1) 3 hrs  
Elective 3 hrs  
MAE 3310 Elementary Mathematics for Teaching I 3 hrs

**Sophomore Year - Fall** 15 hrs  
SPC 1005 Biological Principles or 3 hrs  
ANT 2511 The Human Species 3 hrs

**Sophomore Year - Spring** 15 hrs  
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs  
EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs  
GEP B3 Elective (Preferred course from section B1) 3 hrs  
Elective 3 hrs  
MAE 3310 Elementary Mathematics for Teaching I 3 hrs

1 Courses taken at Florida College System institutions may substitute for select courses with the permission of the department.

**Sophomore Year - Summer**  
■ Satisfaction of the GKT is required for admission to the program and thus must be completed prior to the Junior Year. Refer to http://www.fldoe.org for test dates and sites.

**Junior Year - Fall** 15 hrs  
■ Highly recommend to take and pass PED Test and PK-3 subject area exam of the FTCE - Refer to http://www.fldoe.org for test dates and sites.

EEC 3700 Social and Emotional Development of Young Children 3 hrs  
EEC 4661 Early Childhood Education Theory and Practice 3 hrs  
EXE 4751 Parent Involvement in Education 3 hrs  
TSL 4080 Theory and Practice of Teaching ESL 3 hrs  
Students in Schools 3 hrs  
EEC 4268 Curriculum Activities in Early Childhood 3 hrs

**Junior Year - Spring** 15 hrs  
EEC 4604 Classroom Management and Guidance of Young Children 3 hrs  
EEC 4207 Assessment and Evaluation of Young Children 3 hrs  
TSL 4240 Issues in Second Language Acquisition 3 hrs  
EXE 3450 Young Children With Special Needs 3 hrs  
RED 3310 Early Reading, Writing and Language Arts 3 hrs

**Junior Year - Summer** 6 hrs  
■ Please note: Passing scores on the Professional Education Test (PED) and the Pre-Kindergarten/Primary PK-3 Subject Area Examination portions of the FTCE are required prior to entry into student teaching (EEC 4943 Internship).

EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs  
RED 3012 Basic Foundations of Reading 3 hrs

**Senior Year - Fall** 12 hrs  
MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs  
SCE 4304 Teaching Science and Technology to Young Children 3 hrs  
RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs  
EEC 4235 Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs

**Senior Year - Spring** 12 hrs  
EEC 4943 Student Teaching 12 hrs

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

**Early Childhood Development and Education Track**  
2: Early Childhood Development (B.S.)  
**College of Education and Human Performance**  
**Department of Child, Family and Community Sciences,**  
**Education Complex**  
http://education.ucf.edu/ece/  
Email: ece@ucf.edu

Dr. Judy Levin, 122L, Judith.levin@ucf.edu  
Phone: 407-823-4615

**EARLY CHILDHOOD DEVELOPMENT TRACK** Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.

**Admission Requirements**  
■ Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.  
■ Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).  
■ Complete Child Development 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 seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail (ece@ucf.edu) prior to registering for classes.  
■ The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.  
■ Students must earn a "C" (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.

1. **UCF General Education Program (GEP)** (36 hrs)  
■ Students are advised to take the preferred courses.

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

**B: Cultural & Historical Foundations** (9 hrs)  
General Education Program elective from section B2: 3 hrs  
Preferred MUL 2010 Enjoyment of Music 3 hrs  
Preferred PHI 2010 Introduction to Philosophy or Theatre I 3 hrs  
Preferred THE 2000 Theatre Survey 3 hrs  
General Education Program elective from section B1 to meet Gordon Rule Requirement 3 hrs  
General Education Program elective: Prefer a second course from GEP section B1. 3 hrs

**C: Mathematical Foundations** (6 hrs)  
Preferred STA 2014C Principles of Statistics 3 hrs

**Select 1:** 3 hrs  
Preferred MGF 1106 Finite Mathematics 3 hrs  
Preferred MGF 1107 Explorations in Mathematics 3 hrs
D: Social Foundations (6 hrs)
- Prefer PSY 2012 General Psychology 3 hrs
- Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2065 Introduction to Diversity for Educators 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- SOW 3104 Human Behavior and the Social Environment I 3 hrs

1 Students interested in a career as a Child Life Specialist must select SOW 3104.

3. Core Requirements: Basic Level (18 hrs)
- MUE 2211 Early Childhood Music and Movement 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
- Select 6 hours of Restricted Electives with advisor approval.

4. Core Requirements: Advanced Level (60 hrs)
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Practicum: Early Childhood Development.
- However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Practicum: Early Childhood Development.

Semester I 15 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- EEC 3613 Observation and Assessment of Young Children 3 hrs
- EEC 3214 Child Development 3 hrs
- EEC 3008 Early Childhood Children’s Literature 3 hrs

Semester II 15 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs

Semester III 6 hrs
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4528 Infant/Toddler Care and Education 3 hrs

Semester IV 12 hrs
- PET 4050C Motor Development and Learning 3 hrs

Select Three Early Childhood Development Track Electives 9 hrs
- Note: Students must consult with their advisor regarding approval for elective options.
- EEC 4268 Curriculum Activities in Early Childhood or 3 hrs
- EEC 4524 Organization and Management in Early Childhood or 3 hrs
- EXP 3604 Cognitive Psychology or 4 hrs
- PEO 3041 Games Analysis or 3 hrs
- PET 3820 Teaching Sports Skills I or 3 hrs
- PET 4710 Methods for Physical Activity for Children and Adolescents or 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools or 3 hrs
- SOW 4650 Child Abuse: Treatment and Prevention or 3 hrs
- SOW 4654 Children’s Services or 3 hrs

EC 4744 Child Life: Psychosocial Care of Children in Health Settings or 3 hrs
- SOW 3104 Human Behavior and the Social Environment I or 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs

Semester V 12 hrs
- EEC 4940 Practicum: Early Childhood Development 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum overall 2.75 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. Together these assignments provide potential employers with a snapshot picture of the skills attained in your academic program.
- All teacher education candidates, Life Long Learning majors and Early Childhood Development and Education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. See http://livetext.education.ucf.edu/.

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
- Students interested in a Child Life Specialist Certification should seek advising from the ECDE program faculty for electives selection.
UCF Degree Programs

- Students interested in Child Life Specialist Certification: Select SOW 3104 Human Behavior and the Social Environment I as a prerequisite course AND take EEC 4744 Child Life: Psychosocial Care of Children in Health Settings as an elective course.

Transfer Notes
- Courses taken at Florida College System institutions may substitute for select courses in prerequisites with the permission of the department.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall 12 hrs
- EDF 2065 Introduction to Diversity for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- SYG 2010 Social Problems 3 hrs
- PSC 1121 Physical Science 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
- Select 1: 3 hrs
  - MUL 2010 Enjoyment of Music or 3 hrs
  - PHI 2010 Introduction to Philosophy or 3 hrs
  - THE 2000 Theatre Survey 3 hrs

Freshman Year - Summer 6 hrs
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

Sophomore Year - Fall 15 hrs
- Transfer Note: Courses taken at Florida College System institutions may substitute for select courses with the permission of the department.
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - BSC 1005 Biological Principles 3 hrs
  - GEP B1 elective 3 hrs
  - Restricted Elective with Advisor approval 3 hrs
  - STA 2014C Principles of Statistics 3 hrs
- Select 1: 3 hrs
  - EDF 2130 Child and Adolescent Development for Educators or 3 hrs
  - SOW 3104 Human Behavior and the Social Environment I 3 hrs

Junior Year - Fall 15 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- EEC 3613 Observation and Assessment of Young Children 3 hrs
- EEC 3214 Child Development 3 hrs
- EEC 3008 Early Childhood Children’s Literature 3 hrs
- Junior Year - Spring 15 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs
- Junior Year - Summer 6 hrs
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4528 Infant/Toddler Care and Education 3 hrs

Senior Year - Fall 12 hrs
- PET 4050C Motor Development and Learning 3 hrs
- Select Three Early Childhood Development Track Electives 9 hrs

Senior Year - Spring 12 hrs
- EEC 4940 Practicum: Early Childhood Development 12 hrs

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

Economics (B.S.)

College of Business Administration
Department of Economics, Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Dr. David Scrogin, BA2 302U, David.Scrogin@ucf.edu, 407-823-4129
Dr. Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

The Bachelor of Science in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education. Flexibility to select from a variety of courses allows students to customize their education to their personal interests and career goals. 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 Science degree with a major in Economics. Not eligible for a double degree with the BSBA in Economics.

Admission Requirements
- None

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

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Prefer SPC 1906 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - Required STA 2023 Statistical Methods I 3 hrs
     - Required MAC 1105C College Algebra 3 hrs
   - D: Social Foundations (6 hrs)
   - Select 1: 3 hrs
     - Required ECO 2013 Principles of Macroeconomics or 3 hrs
     - Required ECO 2023 Principles of Microeconomics 3 hrs
   - Select 1: 3 hrs
     - Suggested ANT 2000 General Anthropology or 3 hrs
     - Suggested PSY 2012 General Psychology or 3 hrs
     - Suggested SYG 2000 Introduction to Sociology 3 hrs
   - E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - ECO 2013 Principles of Macroeconomics GEP
   - ECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (12 hrs)
   - ECO 3101 Intermediate Microeconomics 3 hrs
   - ECO 3203 Intermediate Macroeconomics 3 hrs
   - ECO 3703 International Microeconomics 3 hrs
   - ECO 4422 Econometrics II 3 hrs
   - ECO 4504 Public Economics 3 hrs
   - ECO 4713 International Macroeconomics 3 hrs
   - ECO 4934 Topics in Econometrics 3 hrs
   - MAC 1105C College Algebra 3 hrs
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs
   - ECO 4422 Econometrics II 3 hrs
   - ECP 4303 Environmental and Natural Resource Economics 3 hrs
   - ECP 4403 Industrial Organization 3 hrs
   - ECS 4013 Development Economics 3 hrs
   - ECO 4530 Health Economics 3 hrs
   - ECO 4400 Game Theory and Economics 3 hrs
   - ECO 4443 Introduction to Business Analytics 3 hrs

5. Restricted Electives (27 hrs)
   - All B.S. Economics majors will be required to take a minimum of nine (9) electives by choosing from the following
   - ECO 3410 Mathematical Economics 3 hrs
   - ECO 3703 International Microeconomics 3 hrs
   - ECO 4412 Econometrics I 3 hrs
   - ECO 4422 Econometrics II 3 hrs
   - ECO 4504 Public Economics 3 hrs
   - ECO 4713 International Macroeconomics 3 hrs
   - ECO 4934 Topics in Econometrics 3 hrs
   - MAC 2233 Concepts of Calculus and 3 hrs
   - STA 2023 Statistical Methods I 3 hrs
   - STA 2023 Statistical Methods I 3 hrs
   - STA 4321 Statistical Theory I 3 hrs
   - ECO 3401 Quantitative Business Tools I 3 hrs
   - ECO 3401 Quantitative Business Tools I 3 hrs
   - STA 4163 Statistical Methods II 3 hrs
   - STA 4163 Statistical Methods II 3 hrs
   - STA 4321 Statistical Theory I 3 hrs

6. Capstone Requirements (1 hr)
   - ECO 4902 Capstone in Economics 1 hr

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None

8. Electives
   - Variable

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Students majoring in Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, and ECS course and in every course applied towards the major as well as a 2.0 overall average in the major.

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Economics, Business

Certificates
- None

Related Minors
- Computer Science
- Legal Studies
- Mathematics
- Political Science
- Psychology
- Sociology
- Statistics

Advising Notes
- None

Transfer Notes
- Lower division courses 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.
- Only grades of “C” (2.0) or better transfer into the program and students must have a “C” or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Cultural Foundation (GEP) 3 hrs
- Free Elective 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Sophomore Year - Fall
- ECO 2013 Principles of Macroeconomics 3 hrs
- Science Foundation I 3 hrs
- Historical Foundation I 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring
- Foreign Language I 4 hrs
- Historical Foundation II 3 hrs
- Science Foundation II 3 hrs
- ECO Elective 3 hrs
- Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
### Economics, Business (B.S.B.A.)

**College of Business Administration**

**Department of Economics,**

**Business Administration II, Room: 305**


Dr. David Scrogin, dscrogin@ucf.edu
Dr. Nora Underwood, nunderwood@ucf.edu
Phone: 407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. 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 College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of “C” (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Business Economics must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 61 upper level business credit hours 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.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Economics major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Economics major and/or College of Business. A student who is dismissed may seek consideration for re-admitance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students majoring in Economics must earn a grade of “C” (2.0) or better in the following course and each course applied towards the major:
  - ECO 3401 Quantitative Business Tools I 3 hrs
  - ECO 3411 Quantitative Business Tools II 3 hrs

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

**A: Communication Foundations** (9 hrs)

Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)

Required MAC 1105C College Algebra 3 hrs

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

Required CFS 2080 Introduction to Finance 3 hrs

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

Select 1: 3 hrs

Prefer ECO 2013 Principles of Microeconomics 3 hrs

Prefer ECO 2023 Principles of Microeconomics 3 hrs

**Select 1:** 3 hrs

Suggested ANT 2000 General Anthropology or 3 hrs

Suggested PSY 2012 General Psychology or 3 hrs

Suggested SYG 2000 Introduction to Sociology 3 hrs

**E: Science Foundations** (6 hrs)

Select one of the following sequences of courses:

- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.

#### 2. Common Program Prerequisites (CPP) (18 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
  - CFS 2080 Introduction to Finance 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

  **Select one of the following sequences of courses:**

- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.

  - ECO 3401 Quantitative Business Tools I 3 hrs
  - ECO 3411 Quantitative Business Tools II 3 hrs
  - MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs

### Degree Programs

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<th>Junior Year - Fall</th>
<th>16 hrs</th>
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<tr>
<td>ECO 3101 Intermediate Microeconomics 3 hrs</td>
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<tr>
<td>¹ECO 3411 Quantitative Business Tools II 3 hrs</td>
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<td>Foreign Language II 4 hrs</td>
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<td>Free Elective 3 hrs</td>
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<td>Free Elective 3 hrs</td>
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<td>¹(or STA 4163 or STA4321)</td>
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<tr>
<th>Junior Year - Spring</th>
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<tr>
<td>ECO 3203 Intermediate Macroeconomics 3 hrs</td>
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<td>ECO Elective 3 hrs</td>
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<table>
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<tr>
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<tbody>
<tr>
<td>ECO Elective 3 hrs</td>
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<th>Senior Year - Spring</th>
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<td>ECO Elective 3 hrs</td>
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<td>Elective 3 hrs</td>
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**Program Academic Learning Compacts**

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

**Equipment Fees**

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

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### Undergraduate Catalog 2017-2018
### 3. Core Requirements: Basic Level
- None

### 4. Core Requirements: Advanced Level  
(36 hrs)

#### Primary Core  
15 hrs
- ACG 3173 Accounting for Decision-Makers  
- ECO 3411 Quantitative Business Tools II  
- FIN 3403 Business Finance  
- MAN 3025 Management of Organizations  
- MAR 3023 Marketing  

#### Secondary Core  
15 hrs
- GEB 3006 Introduction to Career Development and Financial Planning  
- GEB 3003 Career Research & Planning  
- BUL 3130 Legal and Ethical Environment of Business  
- GEB 3375 Introduction to International Business  
- MAR 3203 Supply Chain and Operations Management  
- GEB 4223 Business Interviewing Techniques  
- GEB 4004 Executing Your Career Plan  

#### Required Major Courses  
6 hrs
- ECO 3101 Intermediate Microeconomics  
- ECO 3203 Intermediate Macroeconomics  

#### Restricted Electives  
(21 hrs)
- All B.S.B.A. economics majors will be required to take six (6) electives by choosing from the following:
  - ECO 3223 Money and Banking  
  - ECO 3410 Mathematical Economics  
  - ECO 3703 International Microeconomics  
  - ECO 4412 Econometrics I  
  - ECO 4422 Econometrics II  
  - ECO 4504 Public Economics  
  - ECO 4713 International Macroeconomics  
  - ECP 3004 Seminar on Current Economic Topics  
  - ECP 3203 Labor Economics  
  - ECP 4303 Environmental and Natural Resource Economics  
  - ECP 4403 Industrial Organization  
  - ECS 4013 Development Economics  
  - ECO 4934 Topics in Econometrics  
  - ECP 4530 Health Economics  
  - ECO 4400 Game Theory and Economics  
  - ECO 4443 Introduction to Business Analytics  

#### Business Elective  
3 hrs
- Choose any upper level business course.

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
- ECO 3410 Mathematical Economics  
- ECO 4412 Econometrics I  
- ECO 4422 Econometrics II  
- ECP 4403 Industrial Organization  
- ECO 4400 Game Theory and Economics  
- ECO 4443 Introduction to Business Analytics  

#### 6. Capstone Requirements  
(4 hrs)
- Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
- ECO 4902 Capstone in Economics  
- MAN 4720 Strategic Management  

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

Graduation
- None

### 8. Electives
- Variable

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- A minimum major GPA of 2.0 and a minimum College of Business GPA of 2.0.

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

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

**Transfer Notes**
- Lower division courses 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.
- Any student receiving a business degree must complete a minimum of 30 of the 61 upper level business credit hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- General electives as required to earn 120 credit hours.

**Freshman Year - Fall**  
15 hrs
- ENC 1101 Composition I  
- MAC 1105C College Algebra  
- ECO 2013 Principles of Macroeconomics  
- Cultural Foundation I  
- Elective  

**Sophomore Year - Fall**  
15 hrs
- ENC 2101 Composition II  
- MAC 2201 Calculus I  
- ECO 3101 Intermediate Microeconomics  
- ECO 3203 Intermediate Macroeconomics  
- Elective  

**Junior Year - Fall**  
15 hrs
- ENC 2201 Composition III  
- MAC 2202 Calculus II  
- ECO 4504 Public Economics  
- Elective  
- Elective  

**Senior Year - Fall**  
15 hrs
- ENC 3101 Composition IV  
- MAC 2203 Calculus III  
- ECO 4400 Game Theory and Economics  
- ECO 4422 Econometrics II  
- Elective  

**Graduation Requirements**  
- A minimum major GPA of 2.0 and a minimum College of Business GPA of 2.0.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
- A 2.0 University GPA
UCF Degree Programs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
Social Foundation 3 hrs
Elective 3 hrs
Elective 3 hrs

Sophomore Year - Fall 15 hrs
ACG 2071 Principles of Financial Accounting 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Science 3 hrs
Historical Foundation I 3 hrs
Elective 3 hrs

Sophomore Year - Spring 15 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
Historical Foundation II 3 hrs
Science 3 hrs

Sophomore Year - Summer 2 hrs
GEB 3006 Introduction to Career Development and Financial Planning 2 hrs

Junior Year - Fall 16 hrs
ACG 3173 Accounting for Decision-Makers 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs
FIN 3403 Business Finance 3 hrs
GEB 3003 Career Research & Planning 1 hr

Junior Year - Spring 16 hrs
ECO 3101 Intermediate Macroeconomics 3 hrs
GEB 3375 Introduction to International Business 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
Economics Restricted Elective 3 hrs
Business Elective 3 hrs
GEB 3005 Career Search Strategy 1 hr

Senior Year - Fall 13 hrs
ECO 3203 Intermediate Microeconomics 3 hrs
Economics Restrictive Elective 3 hrs
Economics Restrictive Elective 3 hrs
Economics Restricted Elective 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring 14 hrs
ECO 4902 Capstone in Economics 3 hrs
Economics Restricted Elective 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
MAN 4720 Strategic Management 3 hrs
GEB 4004 Executing Your Career Plan 1 hr

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Electrical Engineering - Communications and Signal Processing Track (B.S.E.E.)

College of Engineering and Computer Science
Department of Electrical and Computer Engineering
Harris Corp. Engineering Center, Room: 346
Email: undergraduate@ece.ucf.edu
Dr. Parveen Wahid
Charlese Hilton-Brown
Phone: 407-823-3327

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.

Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- Students in the Electrical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP).
- Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Select 1: 3 hrs
  - Preferred SPC 1603C Fundamentals of Technical Presentations or Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Preferred ECO 2023 Principles of Microeconomics or Preferred ECO 2031 Principles of Macroeconomics 3 hrs
  - Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs
- Select one course from Science Foundations 3 hrs
2. Common Program Prerequisites (CPP)  (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required.

MAC 2311C  Calculus with Analytic Geometry I  GEP
MAC 2312  Calculus with Analytic Geometry II  4 hrs
MAC 2313  Calculus with Analytic Geometry III  4 hrs
PHY 2048C  General Physics Using Calculus I  GEP
PHY 2049C  General Physics Using Calculus II  4 hrs
MAP 2302  Ordinary Differential Equations I  3 hrs

Select 1:
- CHS 1440  Principles of Chemistry or  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs

1 Preferred

3. Core Requirements: Basic Level  (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

EGS 1006C  Introduction to the Engineering Profession  1 hr
EGN 1007C  Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level  (53 hrs)

Courses Required for the Engineering Core  3 hrs
- STA 3032  Probability and Statistics for Engineers  3 hrs
- PHY 3010  General Physics Using Calculus III  3 hrs

Courses Required for the Major  50 hrs
- EGN 3211  Engineering Analysis and Computation  3 hrs
- EEL 3021  Introduction to Applied Randomness for Engineers  3 hrs
- EEL 3004C  Electrical Networks  3 hrs
- EEL 3123C  Networks and Systems  3 hrs
- EEE 3307C  Electronics I  4 hrs
- EEE 3342C  Digital Systems  3 hrs
- EEL 3801C  Computer Organization  4 hrs
- EEL 3926L  Junior Design  1 hr
- EEL 3552C  Signal Analysis and Analog Communication  3 hrs
- EEL 4750  Digital Signal Processing Fundamentals  3 hrs
- EEL 4515C  Fundamentals of Digital Communication  3 hrs
- EEL 4742C  Embedded Systems  3 hrs

Junior Level Electives  6 hrs
- EEL 3470  Electromagnetic Fields or  3 hrs
- EEL 3657  Linear Control Systems or  3 hrs
- EEE 3350  Semiconductor Devices I  3 hrs

Senior Level Electives  6 hrs
- EEL 4140C  Analog Filter Design or  3 hrs
- EEL 4518  Satellite Communications or  3 hrs
- EEL 4781  Computer Communication Networks or  3 hrs
- EEE 5513  Digital Signal Processing Applications or  3 hrs
- EEE 5542  Random Processes I or  3 hrs
- EEE 5557  Introduction to Radar Systems or  3 hrs
- EEL 5432  Satellite Remote Sensing or  3 hrs
- EEL 5760  Wireless Networks or  3 hrs
- EEL 5920  Image Processing or  3 hrs
- EEL 5268  Communications and Networking for Smart Grid or  3 hrs
- EEL 5582  Fundamentals of Wireless Communications  3 hrs

5. Restricted Electives
- Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

Technical Electives  10 hrs
- Technical elective courses are to be selected by the student from department approved courses.

6. Capstone Requirements  (6 hrs)

EEL 4914  Senior Design I  3 hrs
EEL 4915L  Senior Design II  3 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Electrical engineering students must earn at least 32 hours in residence at UCF.
- 24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the ECE Department at UCF and applicable to the degree program.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

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

Total Semester Hours Required
- 128

Honor in Major
- None

Related Programs
- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

Advising Notes
- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated Program section in the back of this catalog for more information.

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 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 Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None
Plan of Study
Freshman Year - Fall 15 hrs
EGE 1006C Introduction to the Engineering Profession 1 hr
MAC 2311C Calculus with Analytic Geometry I 4 hrs
GEP- Historical Foundation 3 hrs
Select 1: 3 hrs
1 SPC 1603C Fundamentals of Technical Presentations or
SPC 1608 Fundamentals of Oral Communication 3 hrs
Select 1: 4 hrs
CHS 1440 Principles of Chemistry or 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs

Junior Year - Fall 17 hrs
ENC 1102 Composition I 3 hrs
PHY 2049C General Physics Using Calculus II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
EGE 3211 Engineering Analysis and Computation 3 hrs
Sophomore Year - Fall 14 hrs
PHV 3101 General Physics Using Calculus II 3 hrs
EEL 3004C Electrical Networks 3 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
EEL 3342C Digital Systems 3 hrs
GEP- Cultural Foundation 3 hrs
Sophomore Year - Summer 9 hrs
EEL 3123C Networks and Systems 3 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs
GEP- Social Foundation 3 hrs
Junior Year - Fall 17 hrs
EEL 3801C Computer Organization 4 hrs
GEP- Science Foundation 3 hrs
EEL 3552C Signal Analysis and Analog Communication 3 hrs
Junior Level Elective 3 hrs
Junior Level Elective 3 hrs
Junior Year - Spring 17 hrs
ECE 3307C Electronics I 4 hrs
EEL 4750 Digital Signal Processing Fundamentals 3 hrs
EEL 4742C Embedded Systems 3 hrs
EEL 3268L Junior Design 1 hr
EEL 3021 Introduction to Applied Randomness for 3 hrs
Engineers
GEP- Historical Foundation 3 hrs
Senior Year - Fall 13 hrs
EEL 4515C Fundamentals of Digital Communication 3 hrs
EEL 4914 Senior Design I 3 hrs
Senior Level Elective 3 hrs
Senior Level Elective 3 hrs
Senior Year - Spring 13 hrs
EEL 4915L Senior Design II 3 hrs
Technical Elective 3 hrs
Technical Elective 3 hrs

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

Electrical Engineering - Comprehensive Track (B.S.E.E.)
College of Engineering and Computer Science
Department of Electrical and Computer Engineering,
Harris Corp. Engineering Center, Room: 346
http://www.ece.ucf.edu
Email: undergraduate@ece.ucf.edu
Dr. Parveen Wahid
Charlease Hilton-Brown
Phone: 407-823-3327

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- Students in the Electrical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Electrical Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Electrical Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Electrical Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
Prefer SPC 1603C Fundamentals of Technical Presentations or
Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
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B: Cultural & Historical Foundations (9 hrs)
Select two courses from Cultural Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Prefer ECO 2023 Principles of Microeconomics 3 hrs
Prefer ECO 2013 Principles of Macroeconomics 3 hrs
Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2048C General Physics Using Calculus I 4 hrs
Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required.
MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PHY 2048C General Physics Using Calculus I GEP
PHY 2049C General Physics Using Calculus II 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
Select 1: 4 hrs
1 CHS 1440 Principles of Chemistry or 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
1 Preferred

3. Core Requirements: Basic Level (2 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design course. Independent study courses generally do not satisfy major requirements.
EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (47 hrs)
Courses Required for the Engineering Core 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
PHY 3101 General Physics Using Calculus I 3 hrs

Courses Required for the Major 44 hrs
EEL 3926L Junior Design 1 hr
1 EEN 3211 Engineering Analysis and Computation 3 hrs
1 EEL 3004C Electrical Networks 3 hrs
1 EEL 3123C Networks and Systems 3 hrs
EEN 3350 Semiconductors Devices I 3 hrs
EEN 3307C Electronics I 4 hrs
1 EEN 3342C Digital Systems 3 hrs
EEL 3470 Electromagnetic Fields 3 hrs
EEL 3552C Signal Analysis and Analog Communication 4 hrs
EEL 3657 Linear Control Systems 3 hrs
1 EEL 3901C Computer Organization 4 hrs
EEN 4309C Electronics II 4 hrs
EEL 4750 Digital Signal Processing Fundamentals 3 hrs
EEL 4742C Embedded Systems 3 hrs
1 A “C” (2.0) or better is required in this course.

5. Restricted Electives
Technical electives are available in the BSCpE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.
Technical Electives 16 hrs
Technical elective courses are to be selected by the student from department approved courses.

6. Capstone Requirements (6 hrs)
EEL 4914 Senior Design I 3 hrs
EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
None

8. Electives
None

9. Additional Requirements
The Electrical Engineering program offers an interdisciplinary degree that is applicable to the degree program.

10. Required Minors
None

11. Departmental Exit Requirements
CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
Total Semester Hours Required
128

Honors In Major
None

Related Programs
Computer Engineering
Computer Science
Mathematics - Engineering/Physics Track
Physics

Certificates
None

Related Minors
Engineering Leadership
Intelligent Robotic Systems (IRS) - Interdisciplinary
Mathematics
Physics

Advising Notes
Each engineering student should meet with their academic advisor in the department of their major regularly.
Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated Program section in the back of this catalog for more information.

Transfer Notes
Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
EGS 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 Restricted Elective area.

Acceptable Substitutes for Transfer Courses
None
Program Academic Learning Compacts

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

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

UCF Degree Programs

Plan of Study

Freshman Year - Fall

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>MAC 2311C</td>
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<tr>
<td>GEP-</td>
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Select 1

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<td>SPC 1603C</td>
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Select 1:

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<tr>
<td>CHS 1440</td>
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<td>Chemistry Fundamentals I</td>
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Sophomore Year - Fall

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<tr>
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<td>PHY 2048C</td>
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Sophomore Year - Spring

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<td>Electrical Networks</td>
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<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
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<td>EEE 3342C</td>
<td>Digital Systems</td>
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Sophomore Year - Summer

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<td>STA 3032</td>
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Junior Year - Fall

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<td>EEL 3552C</td>
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<td>EEL 3801C</td>
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Junior Year - Spring

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<td>EEL 3657</td>
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<td>EEL 4742C</td>
<td>Embedded Systems</td>
<td>3 hrs</td>
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<tr>
<td>GEP-</td>
<td>Science Foundation</td>
<td>3 hrs</td>
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<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals</td>
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Senior Year - Fall

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<td>GEP-Hist</td>
<td>Approved Technical Elective</td>
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Senior Year - Spring

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<td>EEL 4915L</td>
<td>Senior Design II</td>
<td>3 hrs</td>
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<tr>
<td>EEE 4309C</td>
<td>Electronics II</td>
<td>4 hrs</td>
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<tr>
<td>GEP-Hist</td>
<td>Approved Technical Elective</td>
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<td>GEP-Hist</td>
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</tr>
<tr>
<td>GEP-Hist</td>
<td>Approved Technical Elective</td>
<td>3 hrs</td>
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Program Academic Learning Compacts

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

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

UCF Degree Programs

Electrical Engineering - Power and Renewable Energy Track (B.S.E.E.)

College of Engineering and Computer Science

Department of Electrical and Computer Engineering

Harris Corp. Engineering Center, Room: 346

http://www.ece.ucf.edu

Email: undergraduate@ece.ucf.edu

Dr. Parveen Wahid
Charlee Hilton-Brown
Phone: 407-823-3327

Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C.

- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements

- Students in the Electrical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Electrical Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Electrical Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Electrical Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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

- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.
## UCF Degree Programs

### A: Communication Foundations (9 hrs)
- **Required**
  - ENC 1101 Composition I
  - ENC 1102 Composition II
- **Select 1:**
  - Prefer SPC 1603C Fundamentals of Technical Presentations or
  - Suggested SPC 1608 Fundamentals of Oral Communication

### B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations
- Select one class from Cultural Foundations

### C: Mathematical Foundations (7 hrs)
- **Required**
  - MAC 2311C Calculus with Analytic Geometry I
  - STA 3032 Probability and Statistics for Engineers
- **Select one course from Science Foundations**

### D: Social Foundations (6 hrs)
- **Select 1:**
  - Prefer ECO 2013 Principles of Macroeconomics or
  - Prefer ECO 2023 Principles of Microeconomics
  - Suggested SPC 1603C Fundamentals of Technical Presentations or

### E: Science Foundations (7 hrs)
- **Required**
  - PHY 2048C General Physics Using Calculus I

### 2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required.

### 3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

### 4. Core Requirements: Advanced Level (48 hrs)
- **Courses Required for the Engineering Core**
  - STA 3032 Probability and Statistics for Engineers
  - PHY 3101 General Physics Using Calculus II

### Courses Required for the Major (45 hrs)
- **EEL 3926L** Junior Design
- **1 EEL 3211** Engineering Analysis and Computation
- **1 EEL 3004C** Electrical Networks
- **1 EEL 3123C** Networks and Systems
- **EEE 3307C** Electronics I
- **EEE 3342C** Digital Systems
- **1 EEL 3801C** Computer Organization
- **EEL 3657** Linear Control Systems
- **EEL 4216** Fundamentals of Electric Power Systems
- **EEL 4742C** Embedded Systems

### Junior Level Electives (6 hrs)
- EEL 3470 Electromagnetic Fields or
- EEL 3552C Signal Analysis and Analog Communication or
- EEE 3350 Semiconductor Devices I or
- EEL 3290 Global Energy Issues

### Senior Level Electives (9 hrs)
- EEL 4205 Electric Machinery or
- EEL 4612C Introduction to Modern and Robust Control or
- EEL 4750 Digital Signal Processing Fundamentals or
- EEL 4294 Introduction to Smart Grids or
- EEL 5173 Linear Systems Theory or
- EEL 5185 System Identification or
- EEL 5268 Communications and Networking for Smart Grid or
- EEL 5291 Distributed Control and Optimization for Smart Grid or
- EEL 5255 Advanced Power Systems Analysis or
- EEL 5245C Power Electronics

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

5. Restricted Electives
- Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

### Technical Electives (15 hrs)
- Technical elective courses are to be selected by the student from department approved courses.

6. Capstone Requirements (6 hrs)
- EEL 4914 Senior Design I
- EEL 4915L Senior Design II

7. Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation
  - None

8. Electives
- None

9. Additional Requirements
- Electrical engineering students must earn at least 32 hours in residence at UCF.
- 24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the ECE Department at UCF and applicable to the degree program.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

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

### Total Semester Hours Required
- 128

### Honors In Major
- None

### Related Programs
- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics
### UCF Degree Programs

#### Freshman Year - Fall
- EGS 1006C: Introduction to the Engineering Profession (1 hr)
- MAC 2311: Calculus with Analytic Geometry I (4 hrs)
- GEP - Foundation (3 hrs)

Select 1:
- SPC 1603C: Fundamentals of Technical Presentations (3 hrs)
- SPC 1608: Fundamentals of Oral Communication (3 hrs)

#### Sophomore Year - Fall
- MAC 2312: Calculus with Analytic Geometry II (4 hrs)
- ECO 2013: Principles of Macroeconomics (3 hrs)
- ECO 2023: Principles of Microeconomics (3 hrs)

#### Junior Year - Spring
- ELE 3307C: Electronics I (4 hrs)
- EEL 4216: Fundamentals of Electric Power Systems (3 hrs)
- EEL 4742C: Embedded Systems (3 hrs)
- Senior Level Elective (3 hrs)
- Senior Level Elective (3 hrs)
- EEL 3926L: Junior Design (1 hr)

#### Senior Year - Fall
- EEL 4914: Senior Design I (3 hrs)
- Technical Elective (3 hrs)
- Technical Elective (3 hrs)
- Technical Elective (3 hrs)

### Acceptable Substitutes for Transfer Courses

- None

### Transfer Notes

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 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 Restricted Elective area.

### Admissions Notes

- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advice before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated Program section in the back of this catalog for more information.

### Degree Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

### Electrical Engineering - RF and Microwaves Track (B.S.E.E.)

#### Admission Requirements

- Students in Electrical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP).
- Therefore, any student majoring in Electrical Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Electrical Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below "C" (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Electrical Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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

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

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
Prefer SPC 1603 Fundamentals of Technical Presentations or
Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
Prefer ECO 2023 Principles of Microeconomics or 3 hrs
Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2048C General Physics Using Calculus I 4 hrs
Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required.

MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PHY 2048C General Physics Using Calculus I GEP
PHY 2049C General Physics Using Calculus II 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
Select 1: 4 hrs
CHS 1440 Principles of Chemistry or 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
The College of Engineering and Computing Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (49 hrs)
Courses Required for the Engineering Core 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
PHY 3011 General Physics Using Calculus III 3 hrs

Courses Required for the Major 46 hrs
EEL 3926L Junior Design 1 hr
EGN 3211 Engineering Analysis and Computation 3 hrs
EEL 3004C Electrical Networks 3 hrs
EEL 3123C Networks and Systems 3 hrs
EEE 3307C Electronics I 4 hrs
EEE 3342C Digital Systems 3 hrs
EEL 3801C Computer Organization 4 hrs
EEL 3470 Electromagnetic Fields 3 hrs
EEE 4309C Electronics II 4 hrs
EEL 4742C Embedded Systems 3 hrs

Junior Level Electives 6 hrs
EEE 3350 Semiconductor Devices I or 3 hrs
EEL 3552C Signal Analysis and Analog Communication or 4 hrs
EEL 3657 Linear Control Systems 3 hrs

Senior Level Electives 9 hrs
EEL 4436C Microwave Engineering or 4 hrs
EEL 4410C Analog Filter Design or 4 hrs
EEL 4512C Communication Systems or 4 hrs
EEL 4518 Satellite Communications or 3 hrs
EEE 5437C Microwave Engineering or 4 hrs
EEE 5462C Antenna Analysis and Design or 3 hrs
EEE 5436C RF and Microwave Communications or 4 hrs
EEE 5557 Introduction to Radar Systems or 3 hrs
EEE 5532 Satellite Remote Sensing or 3 hrs
EEE 5556C Fabrication of Solid-State Devices or 4 hrs
EEE 5513 Digital Signal Processing Applications or 3 hrs
EEE 5265 Biomedical Effects and Applications or 3 hrs
IEEE 5370 Operational Amplifiers or 3 hrs
IEEE 5378 CMOS Analog and Digital Circuit Design 3 hrs

5. Restricted Electives
Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

Technical Electives 14 hrs
Technical elective courses are to be selected by the student from department approved courses.

6. Capstone Requirements (6 hrs)
EEL 4914 Senior Design I 3 hrs
EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
None

8. Electives
None

9. Additional Requirements
Electrical engineering students must earn at least 32 hours in residence at UCF.
24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the ECE Department at UCF and applicable to the degree program.

10. Required Minors
None

11. Departmental Exit Requirements
CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
UCF Degree Programs

- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 128
- Honors In Major
- None

Related Programs

- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

Certificates

- None

Related Minors

- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

Advising Notes

- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

- The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated Program section in the back of this catalog for more information.

Transfer Notes

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 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 Restricted Elective area.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall

- EGS 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP- Historical Foundation 3 hrs

Select 1:

- SPC 1003C Fundamentals of Technical Presentations 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:

- CHS 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Sophomore Year - Fall

- ENC 1102 Composition II 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- EGN 3211 Engineering Analysis and Computation 3 hrs

Sophomore Year - Spring

- PHY 3101 General Physics Using Calculus III 3 hrs
- EEL 3004C Electrical Networks 3 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- EEE 3342C Digital Systems 3 hrs
- GEP- Cultural Foundation 3 hrs

Sophomore Year - Summer

- EEL 3123C Networks and Systems 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- GEP- Social Foundation 3 hrs

Junior Year - Fall

- EEL 3801C Computer Organization 4 hrs
- GEP- Science Foundation 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- Junior Level Elective 3 hrs
- Junior Level Elective 3 hrs

Junior Year - Spring

- EEE 3307C Electronics I 4 hrs
- EEL 4742C Embedded Systems 3 hrs
- Senior Level Elective 3 hrs
- Senior Level Elective 3 hrs
- Senior Level Elective 3 hrs
- EEL 3926L Junior Design 1 hr

Senior Year - Fall

- EEE 4915L Senior Design II 3 hrs
- Technical Elective 3 hrs
- Technical Elective 3 hrs

Senior Year - Spring

- EEE 4309C Electronics II 4 hrs
- EEL 4914 Senior Design I 3 hrs
- Technical Elective 3 hrs
- Technical Elective 3 hrs
- Technical Elective 3 hrs

Program Academic Learning Compacts

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

Elementary Education (B.S.)

College of Education and Human Performance

School of Teaching, Learning, and Leadership, Education Complex, Room: 209

http://education.ucf.edu/elemed/

Education Track: Dr. Michele Gill, Michele.gill@ucf.edu, 407-823-1771
Lifelong Learning Track: Dr. Valerie A. Storey, Valerie.storey@ucf.edu, 407-823-1761

The Elementary Education program offers students the option of two tracks: Elementary Education - Education track (K-6 certification with ESOL and Reading Endorsements) and Elementary Education - Lifelong Learning track (non-certification). The Education track is appropriate for students interested in opportunities for employment with formal K-6 schools that require certification. The Lifelong Learning (LLL) track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- 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.
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
UCF Degree Programs

Lifelong Learning Track
- Complete all LLL Track Core Requirements: Basic Level courses with a minimum letter grade of "C-" (1.75) or better.
- The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test (GKT).

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.
- The Education track (K-6) is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

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

B: Cultural & Historical Foundations (9 hrs)
- General Education Program course from section B1 3 hrs
- General Education Program course: Prefer a second course from GEP section B1 3 hrs

Select 1: (3 hrs)
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy or 3 hrs
- Prefer MUL 2010 Enjoyment of Music 3 hrs

C: Mathematical Foundations (6 hrs)
- Suggested MAC 1105C College Algebra or 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

Select 1: (3 hrs)
- Prefer STA 2014C Principles of Statistics 3 hrs

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

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2055 Introduction to the Teaching Profession 3 hrs
EDF 2080 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (12 hrs)
- Education Track requires 15 hours
- Lifelong Learning Track requires 12 hours
- Both the Education Track and Lifelong Learning Track require successful completion of EDF 2130 and EDE 2280
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDE 2280 Arts and Wellness in Elementary Classrooms 3 hrs

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.
2 Courses taken at a Florida College System institution may substitute for select courses in Other Program Requirements with the permission of the department.

Education Track (3 hrs)
1 EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs

1 Courses taken at a Florida College System institution may substitute for select courses in Other Program Requirements with the permission of the department.

Education Track: Lower Division Electives (6 hrs)
- Education track students may select other electives but are advised to take the following courses to improve their preparation for the subject Area Examination portion of the Florida Teacher Certification Examination: * MAC 1105 or MGF 1106 (if not taken for the General Education Program)
* A second course from the preferred courses listed in the UCF General Education Program Section B2 above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

Lifelong Learning Track (6 hrs)
- EDG 2949 Experiential Learning in Education 3 hrs
- MHS 2330 Career Planning 3 hrs

4. Core Requirements: Advanced Level (60 hrs)
- Education Track requires 60 hours
- Lifelong Learning Track requires 63 hours
- The following recommended sequence of required upper division courses may vary at regional campus locations.
- Students must complete the Advanced Level courses required for their selected track (Education Track or Lifelong Learning Track).

Education Track: Semester I (15 hrs)
1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
1 MAE 3310 Elementary Mathematics for Teaching I 3 hrs
1 LAE 3414 Literature for Children 3 hrs
1 RED 3012 Basic Foundations of Reading 3 hrs
1 TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

1 Required prior to Internship I

Education Track: Semester II (15 hrs)
1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
1 MAE 3310 Elementary Mathematics for Teaching I 3 hrs
1 LAE 4314 Language Arts in the Elementary School 3 hrs
1 RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
1 MAE 3311 Elementary Mathematics for Teaching II 3 hrs

1 Required prior to Internship I

Education Track: Summer (6 hrs)
EDF 4467 Learning Theory and Assessment 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs

Education Track: Semester III (Internship I 12 hrs Block)
- Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/Prerequisites for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 3310, MAE 3311, RED 4519

RED 4942 Practicum for Assessment and Instruction 3 hrs
MAE 4326 How Children Learn Mathematics 3 hrs
EDE 3942 Internship I 3 hrs
EEX 4070 Teaching Exceptional Students 3 hrs

1 RED 4942, MAE 4326, and EEX 4070 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.

**Lifelong Learning Track: Semester II 15 hrs**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDE 4943 Internship II (Elementary)</td>
<td>9 hrs</td>
</tr>
<tr>
<td>EDE 4301 Seminar in Elementary Education</td>
<td>3 hrs</td>
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</tbody>
</table>

**Lifelong Learning Track: Semester I 15 hrs**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 4410 Teaching Strategies and Classroom</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Management</td>
<td></td>
</tr>
<tr>
<td>EEX 4070 Teaching Exceptional Students</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 3414 Literature for Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3012 Basic Foundations of Reading</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080 Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Students in Schools</td>
<td></td>
</tr>
</tbody>
</table>

**Lifelong Learning Track: Semester II 15 hrs**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 3310 Teaching Science in Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 3312 Teaching Social Science in the Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4314 Language Arts in the Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4519 Diagnostic and Corrective Reading Strategies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4467 Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Lifelong Learning Track: Summer 6 hrs**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4240 Issues in Second Language Acquisition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Lifelong Learning Track Specialization Requirements**

- Twenty-one (21) hours of Lifelong Learning Specialization coursework should be completed during Semester III and Semester IV of your Senior Year.
- Students pursuing the Lifelong Learning track (non-certification) must select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Students must have a total of 48 or more hours of upper level courses to graduate.

- Select Lifelong Learning Specialization courses 12 hrs

**UCF Degree Programs**

- ARE 4250 Art for Exceptionalities 3 hrs
- PET 2081 Wellness, Children and Schools 1 hr
- EEC 4402 Cultural and Family Systems 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs
- EDG 4941 Directed Field Experience 1 hr
- EDG 4948 Service Learning 3 hrs
- MAE 3311 Elementary Mathematics for Teaching II 3 hrs
- DIG 3118 Digital Tools and Technologies: Graphic Design 3 hrs
- DIG 3554 Digital Tools and Technologies: Web Design 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030 Digital Video Fundamentals 3 hrs
- DIG 2109 Digital Imaging Fundamentals 3 hrs
- DIG 2500 Fundamentals of Interactive Design 3 hrs
- DIG 3811 User-Centered Design 3 hrs
- DEP 2004 Developmental Psychology 3 hrs
- EEX 2090 Exceptional Populations in School and Society 3 hrs
- EXP 3604 Cognitive Psychology 4 hrs
- EXP 3250 Principles of Human Factors Psychology 3 hrs
- EEX 4601 Introduction to Behavior Management 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- HFT 2750 The Event Industry 3 hrs
- HFT 3798 Fairs and Festivals 3 hrs
- HFT 4754 Exhibit and Trade Show Operations 3 hrs

- **Lifelong Learning Track: Semester III 15 hrs**
  - EDG 4949 Experiential Learning in Education 3 hrs
  - MAE 3310 Elementary Mathematics for Teaching I 3 hrs
  - Choose Lifelong Learning Specialization courses 9 hrs

- **Lifelong Learning Track: Semester IV 12 hrs**
  - Choose Lifelong Learning Specialization courses 12 hrs

- **5. Restricted Electives**
  - None

- **6. Capstone Requirements**
  - None

- **7. Foreign Language Requirements**

- **Admissions**
  - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

- **Graduation**
  - None

- **8. Electives**
  - None

- **9. Additional Requirements**
  - None

- **10. Required Minors**
  - None

- **11. Departmental Exit Requirements**
  - Achieve a minimum overall 2.5 GPA within the major.
  - In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. Together these assignments provide potential employers with a snapshot picture of the skills attained in your academic program. All teacher education candidates, Lifelong Learning majors, and Early Childhood Development and Education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. See http://livetext.education.ucf.edu/.
UCF Degree Programs

Education Track
- Complete ESOL standards assessment tracking requirements in LiveText for the ESOL endorsement
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

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

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Elementary Education - Education Track (K-6) Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall 12 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- Select 1: 3 hrs
  - MUL 2010 Enjoyment of Music or 3 hrs
  - THE 2000 Theatre Survey or 3 hrs
  - PHI 2010 Introduction to Philosophy 3 hrs

Freshman Year - Spring 12 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs
- Select 1: 3 hrs
  - MAC 1105C College Algebra or 3 hrs
  - MGF 1106 Finite Mathematics or 3 hrs
  - MGF 1107 Explorations in Mathematics 3 hrs

Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

Sophomore Year - Fall 15 hrs
- GEP B3 Elective (Prefer course from section B1) 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- 1 EDE 2280 Arts and Wellness in Elementary Classrooms 3 hrs
- 1 EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs

1 Courses taken at a Florida College System institution may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Spring 15 hrs
- EDE 4410 Teaching Strategies and Classroom Management 3 hrs
- MAE 3310 Elementary Mathematics for Teaching I 3 hrs
- LAF 3414 Literature for Children 3 hrs
- Select 1: 3 hrs
  - RED 3012 Basic Foundations of Reading 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

1 Junior Year - Fall 15 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- MAE 3310 Elementary Mathematics for Teaching I 3 hrs
- LAE 3414 Language Arts in the Elementary School 3 hrs
- RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
- MAE 3311 Elementary Mathematics for Teaching II 3 hrs

Junior Year - Summer 6 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Senior Year - Fall 12 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs
- MAE 4326 How Children Learn Mathematics 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- EDE 3942 Internship I 3 hrs

Senior Year - Spring 12 hrs
- EDE 4943 Internship II (Elementary) 9 hrs
- EDE 4301 Seminar in Elementary Education 3 hrs

Elementary Education - Lifelong Learning Track Plan of Study

Freshman Year - Fall 12 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- Select 1: 3 hrs
  - MUL 2010 Enjoyment of Music or 3 hrs
  - THE 2000 Theatre Survey or 3 hrs
  - PHI 2010 Introduction to Philosophy 3 hrs

Freshman Year - Spring 12 hrs
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs
- Select 1: 3 hrs
  - ENC 1102 Composition II 3 hrs
  - PSY 2012 General Psychology 3 hrs
  - PSC 1121 Physical Science 3 hrs

1 Courses taken at a Florida College System institution may substitute for select courses in Other Program Requirements with the permission of the department.

Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs
- EDE 2280 Arts and Wellness in Elementary Classrooms 3 hrs

Sophomore Year - Fall 15 hrs
- GEP B3 Elective 3 hrs
- BSC 1005 Biological Principles 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MHS 2330 Career Planning 3 hrs
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### Sophomore Year - Spring
- **GEP B3 Elective (Prefer course from section B1)**: 3 hrs
- **STA 2014** Principles of Statistics: 3 hrs
- **EDF 2085** Introduction to Diversity for Educators: 3 hrs
- **EDG 2949** Cooperative Education: 3 hrs

### Junior Year - Fall
- **EDG 4410** Teaching Strategies and Classroom Management: 3 hrs
- **EEX 4070** Teaching Exceptional Students: 3 hrs
- **LAE 3414** Literature for Children: 3 hrs
- **RED 3012** Basic Foundations of Reading: 3 hrs
- **TSL 4080** Theory and Practice of Teaching ESL Students in Schools: 3 hrs

### Junior Year - Spring
- **SCE 3310** Teaching Science in Elementary School: 3 hrs
- **SSE 3312** Teaching Social Science in the Elementary School: 3 hrs
- **LAE 4314** Language Arts in the Elementary School: 3 hrs
- **RED 4519** Diagnostic and Corrective Reading Strategies: 3 hrs
- **EDF 4467** Learning Theory and Assessment: 3 hrs

### Junior Year - Summer
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools: 3 hrs
- **TSL 4240** Issues in Second Language Acquisition: 3 hrs

### Senior Year - Fall
- **EDG 4949** Cooperative Education: 3 hrs
- **MAE 3310** Elementary Mathematics for Teaching I: 3 hrs
- **Choose Lifelong Learning Specialization courses**: 9 hrs

### Senior Year - Spring
- **Choose Lifelong Learning Specialization courses**: 12 hrs

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

### Equipment Fees
- **Part-Time Student**: $6 per term
- **Full-Time Student**: $12 per term

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### English - Creative Writing (B.A.)
**College of Arts and Humanities**
**Department of English, Colbourn Hall, Room: 405**
[http://english.ucf.edu](http://english.ucf.edu)
**Email**: english@ucf.edu
**Dr. Trey Philpotts**
**Phone**: 407-823-5596

### Admission Requirements
- **None**

### Degree Requirements
- **Students who change degree programs and select this major must adopt the most current catalog**
- **Students must earn at least a “C” (2.0) in each required course**
- **Co-op or internship credit cannot be used in the major without prior approval from the department**
- **Students should consult with a departmental advisor**
- **Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department**
- **Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours**

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

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

#### B: Cultural & Historical Foundations
- **Prefer HUM 2020** Encountering the Humanities: 3 hrs
- **Prefer LIT 2110** World Literature I: 3 hrs
- **Prefer LIT 2120** World Literature II: 3 hrs

#### C: Mathematical Foundations
- **Math:**
  - **Suggested MGF 1106** Finite Mathematics or: 3 hrs
  - **Suggested MGF 1107** Explorations in Mathematics or: 3 hrs
  - You may substitute a higher level math with appropriate scores on the Math Placement Exam

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

#### D: Social Foundations
- **Suggested AMH 2020** U.S. History: 1877-Present: 3 hrs

#### E: Science Foundations
- **Suggested AST 2002** Astronomy: 3 hrs
- **Suggested ANT 2011** The Human Species: 3 hrs

### 2. Common Program Prerequisites (CPP) (6 hrs)
- **1 ENC 1101** Composition I: GEP
- **2 ENC 1102** Composition II: GEP

### Note:
See Transfer Notes for possible substitutions. See "Common Prerequisites" in the Transfer and Transition Services section for more information.

### 3. Core Requirements: Basic Level (9 hrs)
- **CRW 3012** Creative Writing for English Majors: 3 hrs
- **ENG 3614** Theories and Techniques of Literature Study: 3 hrs

### 4. Core Requirements: Advanced Level (12 hrs)
- **LIT 4240** English Romantic Writers: 3 hrs
- **ENL 4311** Chaucer: 3 hrs
- **ENL 4333** Shakespeare Studies: 3 hrs
- **ENL 4341** Milton and His Age: 3 hrs
- **AML 3286** Early American Women’s Words: 3 hrs
- **AML 3640** Native American Literature or: 3 hrs
- **LIT 4374** Literature of the Bible or: 3 hrs
- **ENL 3296** Gothic Literature: 3 hrs

### Select at least one of these pre-1865 literature courses.
- **Note**: Each semester, additional courses may satisfy these requirements. Check with an advisor for details.

#### Select 1: 3 hrs
- **AML 3031** American Literature I or: 3 hrs
- **AML 3613** Narratives of Slavery or: 3 hrs
- **ENL 2012** English Literature I or: 3 hrs
- **ENL 3220** English Renaissance Poetry and Prose or: 3 hrs
- **ENL 4230** Eighteenth-Century Studies or: 3 hrs
- **ENL 4240** English Romantic Writers or: 3 hrs
- **ENL 4311** Chaucer or: 3 hrs
- **ENL 4333** Shakespeare Studies or: 3 hrs
- **ENL 4341** Milton and His Age or: 3 hrs
- **AML 3286** Early American Women’s Words or: 3 hrs
- **AML 3640** Native American Literature or: 3 hrs
- **LIT 4374** Literature of the Bible or: 3 hrs
- **ENL 3296** Gothic Literature: 3 hrs

### Select at least one of these post-1865 literature courses.
- **Select 1**: 3 hrs
  - **Each semester, additional courses may satisfy this requirement. Check with an advisor for details.**
  - **AML 3041** American Literature II or: 3 hrs
  - **AML 3283** Contemporary American Women’s Fiction or: 3 hrs
  - **AML 3614** Topics in African-American Literature or: 3 hrs
  - **AML 3615** Harlem, Haiti, and Havana or: 3 hrs
  - **AML 3643** Contemporary Native American Prose and Poetry or: 3 hrs
  - **AML 4101** American Novel or: 3 hrs
  - **AML 4155** Modern American Poetry or: 3 hrs
  - **AML 4261** Literature of the South or: 3 hrs
  - **AML 4265** Florida Writers or: 3 hrs
  - **AML 4321** Modern American Literature or: 3 hrs
  - **AML 4630** Latino/Latina Literature or: 3 hrs
  - **ENL 2022** English Literature II or: 3 hrs
  - **ENL 4101** English Novel or: 3 hrs
UCF Degree Programs

ENL 4253  The Victorian Age or  3 hrs
ENL 4262  Nineteenth Century British Prose or  3 hrs
ENL 4273  Modern British Literature or  3 hrs
LIT 3082  Continental European Fiction Since 1900 or  3 hrs
LIT 3192  Caribbean Literature or  3 hrs
LIT 4043  Modern Drama As Literature or  3 hrs
LIT 4184  Irish Literature or  3 hrs
LIT 4303  Post-War II Fiction or  3 hrs
LIT 3823  Hispanic Women Writers  3 hrs

5. Restricted Electives  (15 hrs)
   ■ Please note that students must take 4 but no more than 6 of the courses listed in a. and b. below.
   a. Choose two of the following:  6 hrs
      Select 2:
      CRW 3120  Fiction Writing Workshop or  3 hrs
      CRW 3211  Creative Nonfiction Writing or  3 hrs
      CRW 3310  Poetry Writing Workshop or  3 hrs
      CRW 3610  Writing Scripts  3 hrs
   b. Choose two of the following:  6 hrs
      Select 2:
      CRW 4122  Advanced Fiction Writing Workshop or  3 hrs
      CRW 4224  Advanced Nonfiction Workshop or  3 hrs
      CRW 4320  Advanced Poetry Writing Workshop or  3 hrs
      CRW 4616  Advanced Scriptwriting Workshop  3 hrs
   c. Choose one of the following:  3 hrs
      Select 1:
      CRW 3111  Readings in Poetry for Creative Writing or  3 hrs
      CRW 3540  Literary Magazines or  3 hrs
      CRW 4114  History of Prose Style or  3 hrs
      CRW 4722  The Florida Review or  3 hrs
      CRW 4724  Editing for Creative Writers or  3 hrs
      any other CRW elective or Special Topics course  3 hrs

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
Admissions
   ■ Met by graduation requirement
Graduation
   ■ Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
   ■ Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
   ■ Maintain and achieve a minimum GPA of 2.0 in all courses used towards the major.

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

Total Semester Hours Required
   ■ 120

Honors In Major  (9 hrs)
   ■ Application and admission through the English Honors Committee and the Honors College.
   ■ Fulfill University requirements for Honors in the Major.
   ■ Grade of “B” (3.0) or better in an English graduate or undergraduate course or in a graduate or undergraduate course outside the major that relates to thesis with approval (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
   ■ Successful completion and oral defense of Honors thesis.

Related Programs
   ■ English - Technical Communication
   ■ English - Literature

Certificates
   ■ None

Related Minors
   ■ Linguistics
   ■ English - Technical Communication
   ■ Writing and Rhetoric
   ■ English - Literature

Advising Notes
   ■ None

Transfer Notes
   ■ Lower division courses do not substitute for upper division courses.
   ■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   ■ None

Plan of Study
   ■ One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall  15 hrs
   ENC 1101  Composition I  3 hrs
   HUM 2020  Encountering the Humanities  3 hrs
   MGF 1107  Explorations in Mathematics  3 hrs
   AMH 2020  U.S. History: 1877-Present  3 hrs
   SPC 1608  Fundamentals of Oral Communication  3 hrs

Freshman Year - Spring  16 hrs
   ENC 1102  Composition II  3 hrs
   AST 2502  Astronomy  3 hrs
   LIT 2110  World Literature I  3 hrs
   SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs
   Select course from GEP C.2 list  3 hrs

Sophomore Year - Fall  16 hrs
   LIT 2120  World Literature II  3 hrs
   PSY 2012  General Psychology  3 hrs
   SPN 1121C  Elementary Spanish Language and Civilization II  4 hrs
   Restricted Elective  3 hrs
   ANT 2511  The Human Species  3 hrs

Sophomore Year - Spring  15 hrs
   CRW 3013  Creative Writing for English Majors  3 hrs
   AML 3031  American Literature I  3 hrs
   ENL 3296  Gothic Literature  3 hrs
   SPN 2200  Intermediate Spanish Language and Civilization I  3 hrs
   CRW 3053  Theory & Practice of Creative Writing  3 hrs

Junior Year - Fall  15 hrs
   ENG 3014  Theories and Techniques of Literature Study  3 hrs
   AML 3041  American Literature II  3 hrs
   CRW 3211  Creative Nonfiction Writing  3 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs

Junior Year - Spring  15 hrs
   ENL 4101  English Novel  3 hrs
   CRW 3120  Fiction Writing Workshop  3 hrs

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CRW 4224 Advanced Nonfiction Workshop 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 12 hrs
CRW 3311 Readings in Poetry for Creative Writing 3 hrs
CRW 4122 Advanced Fiction Writing Workshop 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
CRW 3610 Writing Scripts 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Program Academic Learning Compacts

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

English - Literature (B.A.)

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Dr. Trey Philpotts
Phone: 407-823-5596

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit is not accepted in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations

Prefer HUM 2020 Encountering the Humanities 3 hrs
Prefer LIT 2110 World Literature I 3 hrs
Prefer LIT 2120 World Literature II 3 hrs

C: Mathematical Foundations

Math:
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

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

D: Social Foundations (6 hrs)

Suggested AMH 2020 U.S. History; 1877-Present 3 hrs

E: Science Foundations (6 hrs)

Suggested AST 2002 Astronomy 3 hrs
Suggested ANT 2511 The Human Species 3 hrs

2. Common Program Prerequisites (CPP)

- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP

- See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (6 hrs)

- ENG 3014 Theories and Techniques of Literature and Study 3 hrs

Choose one gateway course 3 hrs
CRW 3013 Creative Writing for English Majors or 3 hrs
ENC 3241 Writing for the Technical Professional or 3 hrs
CRW 3553 Theory & Practice of Creative Writing or 3 hrs
LIT 3212 Research & Writing About Literature or 3 hrs

- Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (15 hrs)

- Literary History Requirement
- Choose five courses from the two groupings

Select at least two pre-1865 literature courses 6 hrs

- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs
AML 3031 American Literature I or 3 hrs
AML 3613 Narratives of Slavery or 3 hrs
ENL 2012 English Literature I or 3 hrs
ENL 3220 English Renaissance Poetry and Prose or 3 hrs
ENL 4230 Eighteenth-Century Studies or 3 hrs
ENL 4240 English Romantic Writers or 3 hrs
LIT 4374 Literature of the Bible or 3 hrs
AML 3286 Early American Women’s Words or 3 hrs
AML 3640 Native American Literature or 3 hrs
ENL 3296 Gothic Literature or 3 hrs

Select at least two post-1865 literature courses 6 hrs

- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs
AML 3041 American Literature II or 3 hrs
AML 3283 Contemporary American Women’s Fiction or 3 hrs
AML 3614 Topics in African-American Literature or 3 hrs
AML 3615 Harlem, Haiti, and Havana or 3 hrs
AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
AML 4101 American Novel or 3 hrs
AML 4155 Modern American Poetry or 3 hrs
AML 4261 Literature of the South or 3 hrs
AML 4265 Florida Writers or 3 hrs
AML 4321 Modern American Literature or 3 hrs
AML 4630 Latino/Latina Literature or 3 hrs
ENL 2022 English Literature II or 3 hrs
ENL 4101 English Novel or 3 hrs
ENL 4253 The Victorian Age or 3 hrs
ENL 4262 Nineteenth Century British Prose or 3 hrs
ENL 4273 Modern British Literature or 3 hrs
LIT 3082 Continental European Fiction Since 1900 or 3 hrs
LIT 3192 Caribbean Literature or 3 hrs
LIT 4043 Modern Drama As Literature or 3 hrs
LIT 4184 Irish Literature or 3 hrs
LIT 4303 Post-World War II Fiction or 3 hrs
LIT 3823 Hispanic Women Writers or 3 hrs

5. Restricted Electives (15 hrs)

- Upper Division Requirements

Choose one single author or major author course:

Select 1: 3 hrs
AML 4300 Major American Authors or 3 hrs
ENL 4311 Chaucer or 3 hrs
ENL 4341 Milton and His Age or 3 hrs
ENL 4333 Shakespeare Studies or 3 hrs
ENL 4303 British Authors or 3 hrs
LIT 4244 World Authors or 3 hrs
# UCF Degree Programs

## Choose one linguistics or theory course: 3 hrs

### Select 1: 3 hrs

- ENG 3010 Practical Criticism or 3 hrs
- LIN 3010 Principles of Linguistics or 3 hrs
- LIN 4105 History of the English Language or 3 hrs
- LIN 4660 Linguistics and Literature or 3 hrs
- LIN 4680 Modern English Grammar or 3 hrs
- LIT 4554 Advanced Feminist Theories 3 hrs

## Three additional upper level courses 9 hrs

- AML, ENL, LIT or ENG prefix

## 6. Capstone Requirements

### None

## 7. Foreign Language Requirements

### Admissions

- Met by graduation requirement

### Graduation

- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.

Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

### 8. Electives

- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Maintain and achieve a minimum GPA of 2.0 in all courses used towards the major.

### 12. University Minimum Exit Requirements

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

## Total Semester Hours Required

120

## Honors In Major (9 hrs)

- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of “B“ (3.0) or better in an English graduate or undergraduate level course or in a graduate or undergraduate level course outside the major that relates to thesis with approval (3 hrs.), Directed Readings (3 hrs.), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

## Related Programs

- English - Creative Writing
- English - Technical Communication

## Certificates

- None

## Related Minors

- English - Creative Writing
- English - Linguistics
- English - Technical Communication
- Writing and Rhetoric

## Advising Notes

- None

## Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

- One of the numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year - Fall 15 hrs

- ENC 1101 Composition I 3 hrs
- HUM 2020 Encountering the Humanities 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

### Freshman Year - Spring 16 hrs

- AST 2002 Astronomy 3 hrs
- ENC 1102 Composition II 3 hrs
- LT 2110 World Literature I 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- Select a course from GEP C.2 list 3 hrs

1 Any language course at this level is acceptable.

### Sophomore Year - Fall 16 hrs

- AML 3031 American Literature I 3 hrs
- AML 3031C American Literature I 3 hrs
- AML 4120C American Literature II 3 hrs
- Restricted Elective 3 hrs
- SPN 1121C Intermediate Spanish Language and Civilization I 4 hrs

1 Any language course at this level is acceptable.

### Sophomore Year - Spring 15 hrs

- ENG 3014 Theories and Techniques of Literature 3 hrs
- AML 3041 American Literature II 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

### Junior Year - Fall 15 hrs

- ENL 4273 Modern British Literature 3 hrs
- LIN 4105 History of the English Language 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

### Junior Year - Spring 15 hrs

- ENL 4253 The Victorian Age 3 hrs
- ENL 4273 Modern British Literature 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

### Senior Year - Fall 15 hrs

- AML 4101 American Novel 3 hrs
- ENL 4253 The Victorian Age 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

### Senior Year - Spring 13 hrs

- LIT 3383 Women in Literature 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 1 hr

## 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)
UCF Degree Programs

English - Technical Communication (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Dr. Trey Philpotts
Phone: 407-823-5596

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

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

B: Cultural & Historical Foundations (9 hrs)
- Suggested HUM 2020 Encountering the Humanities
- Suggested LIT 2110 World Literature I
- Suggested LIT 2120 World Literature II

C: Mathematical Foundations (6 hrs)
- Math:
  - Suggested MGF 1106 Finite Mathematics or
  - Suggested MGF 1107 Explorations in Mathematics

You may substitute a higher level math with appropriate scores on the Math Placement Test.

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

D: Social Foundations (6 hrs)
- Suggested AMH 2020 U.S. History: 1877-Present

E: Science Foundations (6 hrs)
- Suggested AST 2002 Astronomy
- Suggested ANT 2511 The Human Species

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- ENC 1101 Composition I
- ENC 1102 Composition II

3. Core Requirements: Basic Level (6 hrs)

Select 1: (3 hrs)
- ENC 3241 Writing for the Technical Professional
- CRW 3013 Creative Writing for English Majors or
- ENG 3014 Theories and Techniques of Literature
- CRW 3053 Theory & Practice of Creative Writing

Select 2: (3 hrs)
- ENC 4280 Technical Writing Style
- ENC 4293 Documentation and the Collaborative Process
- ENC 4294 Documentation and Client-Based Collaboration
- LIT 4433 Literature of Science and Technology

4. Core Requirements: Advanced Level (15 hrs)

Select 1: (3 hrs)
- ENC 4215 Technical Publication and Project
- ENC 4218 The Visual in Technical Documentation

Literary History Requirement (9 hrs)
- Choose three courses from these two groupings

Select at least one of these pre-1865 literature courses
- AML 3031 American Literature I or
- AML 3613 Narratives of Slavery or
- ENL 2012 English Literature I or
- ENL 3220 English Renaissance Poetry and Prose or
- ENL 4230 Eighteenth-Century Studies or
- ENL 4240 English Romantic Writers or
- ENL 4311 Chaucer or
- ENL 4333 Shakespeare Studies or
- ENL 4341 Milton and His Age or
- LIT 4374 Literature of the Bible or
- AML 3286 Early American Women’s Words or
- AML 3640 Native American Literature or
- ENL 3296 Gothic Literature

Select at least one of these post 1865 literature courses
- AML 3041 American Literature II or
- AML 3293 Contemporary American Women’s Fiction or
- AML 3614 Topics in African-American Literature or
- AML 3615 Harlem, Haiti, and Havana or
- AML 4101 American Novel or
- AML 4155 Modern American Poetry or
- AML 4261 Literature of the South or
- AML 4265 Florida Writers or
- AML 4321 Modern American Literature or
- AML 4630 Latino/Latina Literature or
- ENL 2022 English Literature II or
- ENL 4101 English Novel or
- ENL 4253 The Victorian Age or
- ENL 4262 Nineteenth Century British Prose or
- ENL 4273 Modern British Literature or
- LIT 3082 Continental European Fiction Since 1900 or
- LIT 3192 Caribbean Literature or
- LIT 4043 Modern Drama As Literature or
- LIT 4184 Irish Literature or
- LIT 4303 Post-World War II Fiction or
- AML 3643 Contemporary Native American Prose and Poetry or
- LIT 3823 Hispanic Women Writers

5. Restricted Electives (6 hrs)

Select 2: (6 hrs)
- ENC 4262 International Technical Communication or
- ENC 4265 Writing for the Computer Industry or
- ENC 4290 Usability Testing for Technical Communication or
- ENC 4414 Writing and Hypertext or
- ENC 4298 Technical Communication for the Virtual Workplace or
- ENC 4415 Digital Rhetorics and The Modern Dialectic
- ENC 4219 Technical Communication and Plain Language

Optional course:
- ENC 4941 Internship

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Met by graduation requirement

Graduation
- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.
- Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.
8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain and achieve a minimum GPA of 2.0 in all courses used towards the major.

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

Total Semester Hours Required
120

Honors In Major
(9 hrs)
- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of “B” (3.0) or better in an English graduate or undergraduate level course or in a graduate or undergraduate level course outside the major that relates to thesis with approval (3 hours), Directed Readings (3 hours), and Thesis hours (3 hours).
- Successful completion and oral defense of Honors thesis.

Related Programs
- English - Creative Writing
- English - Literature

Certificates
- None

Related Minors
- English - Creative Writing
- English - Literature
- English - Linguistics
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

Plan of Study
- One of the numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
AST 2002 Astronomy 3 hrs
LIT 2110 World Literature I 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
Select a course from GEP C.2 list 3 hrs

Sophomore Year - Fall 16 hrs
LIT 2120 World Literature II 3 hrs
PSY 2012 General Psychology 3 hrs
SPN 1121C Elementary Spanish Language and Civilization I 4 hrs
ANT 2511 The Human Species 3 hrs
Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
AML 3513 Narratives of Slavery 3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
CRW 3013 Creative Writing for English Majors 3 hrs
Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
ENC 4293 Documentation and the Collaborative Process 3 hrs
AML 3041 American Literature II 3 hrs
LIT 4433 Literature of Science and Technology 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
ENC 4294 Documentation and Client-Based Collaboration 3 hrs
ENC 4280 Technical Writing Style 3 hrs
LIT 3313 Science Fiction 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 12 hrs
ENC 4218 The Visual in Technical Documentation 3 hrs
ENC 4262 International Technical Communication 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
ENC 4414 Writing and Hypertext 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 1 hr

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

Entertainment Management (B.S.)
Rosen College of Hospitality Management
College of Arts and Humanities
Department of Tourism Event and Attractions,
School of Performing Arts
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu

Email: hospitality@ucf.edu
Dr. Sevil Sonmez, Department Chair
Dr. Abraham Pizam, Dean, 407-903-8000
Kirk Gay, Kirk.Gay@ucf.edu, (407) 823-5968

Admission Requirements
- None

Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advanced cores, and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (9 hrs)
   - Select 1: 3 hrs
     - Required: MAC 1105C College Algebra
   - Select 1: 3 hrs
     - Required: CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I
   - D: Social Foundations (6 hrs)
   - Select 1: 3 hrs
     - Required: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

HFT 2071 Introduction to the Entertainment Industry 3 hrs

3. Core Requirements: Basic Level (12 hrs)
   - MAC 1105C College Algebra
   - Select 1:
     - STA 2023 Statistical Methods I or CGS 2100C Computer Fundamentals for Business
   - Select 1:
     - ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
   - Core Requirements: Advanced Level (6 hrs)
     - MUL 2100 Enjoyment of Music
     - THE 2000 Theatre Survey

4. Core Requirements: Advanced Level (48 hrs)
   - Hospitality Management Core (12 hrs)
     - HFT 2401 Hospitality Industry Financial Accounting
     - HFT 2750 The Event Industry
     - HFT 3540 Guest Services Management I
     - HFT 4765 Theme Park and Attraction Management
   - Entertainment Management Core (30 hrs)
     - HFT 2563 Digital Marketing in Entertainment
     - HFT 3375 Entertainment Business
     - HFT 3463 Revenue & Relationships in the Entertainment Industry
     - HFT 3395 Entertainment Media and Technology
     - HFT 3795 Leading in the Entertainment Industry
     - HFT 4377 Entertainment Production Management
     - HFT 4469 Financial Performance in Entertainment
     - HFT 4623 Entertainment Law and Ethics
     - HFT 3593 Consumer Behavior in Entertainment
     - HFT 4378 Entertainment Portfolio Management
   - Internships (3 hrs)
     - HFT 4940 Internship I
     - HFT 4941 Internship II
     - HFT 4944 Internship III
   - 5. Restricted Electives (18 hrs)
     - Entertainment Management Performing Arts
     - Complete the following 2 required Performance Arts courses or Restricted Electives
     - MUS 4320 Music Business and Industry
     - THE 3082 Theatre Careers

Select an additional 4 restricted Entertainment (12 hrs)

Management Electives from the following:

- HFT 3512 Event Promotion or
- HFT 3785 Management of Gaming Enterprises or
- HFT 3788 Fairs and Festivals or
- HFT 4398 Entertainment Entrepreneurship or
- HFT 4626 Public Policy Issues in the Entertainment Industry or
- HFT 4752 Guest Services Management II or
- HFT 4759 Product Development in Theme Parks and Attractions or
- HFT 4795 Entertainment Arts and Events or
- HFT 4796 International Events or
- PLA 4823 Sports Law or
- PLA 4825 Entertainment Law or
- THE 3171 That’s Entertainment!: Theatre Experience in Theme Parks, Vegas, and Broadway or
- THE 3272 What a Drag: The Art of Transgender in Entertainment or
- THE 3383 Taboo Theatre: Sex & Violence on Stage or
- TPA 3172 Flash, Bash, and Splash: Concerts, Wrestling, & Circus

6. Capstone Requirements
   - Completion of 3 specialized Entertainment Management Internships, see Faculty Internship Coordinator for guidance.

7. Foreign Language Requirements
   - Admissions
     - State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
   - Graduation
     - None
   - 8. Electives
     - None
   - 9. Additional Requirements
     - Final exams will be given during Final Exam Week only.
     - Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Completion of 3 hours of Specialized Entertainment Management Internship course work.

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

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.
UCF Degree Programs

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 College System institution students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
Cult/His Foundations I 3 hrs
MAC 1105C College Algebra 3 hrs
HFT 2071 Introduction to the Entertainment Industry 3 hrs
Select 1:
PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs
ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
Cult/His Foundations II 3 hrs
Select 1:
CGS 2100C Computer Fundamentals for Business or 3 hrs
STA 2023 Statistical Methods I 3 hrs
Select 1:
MUL 2010 Enjoyment of Music or 3 hrs
THE 2000 Theatre Survey 3 hrs
University Free Elective 3 hrs

Sophomore Year - Fall 15 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Science Foundations I 3 hrs
HFT 2563 Digital Marketing in Entertainment 3 hrs
Select 1:
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2523 Principles of Microeconomics 3 hrs
Select 1:
MUL 2010 Enjoyment of Music or 3 hrs
THE 2000 Theatre Survey 3 hrs

Sophomore Year - Spring 16 hrs
Science Foundations II 3 hrs
Cult/His Foundations III 3 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3940 Internship I 1 hr
HFT 3795 Leading in the Entertainment Industry 3 hrs

Junior Year - Fall 16 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 4941 Internship II 1 hr
MUS 4320 Music Business and Industry 3 hrs
HFT 3375 Entertainment Business 3 hrs
3000 or Higher Restricted Elective 3 hrs
University Free Elective 3 hrs

Junior Year - Spring 15 hrs
HFT 4755 Theme Park and Attraction Management 3 hrs
HFT 4623 Entertainment Law and Ethics 3 hrs
HFT 3468 Revenue & Relationships in the Entertainment Industry 3 hrs
3000 or Higher Restricted Elective 3 hrs
THE 3082 Theatre Careers 3 hrs

Senior Year - Fall 15 hrs
HFT 4377 Entertainment Production Management 3 hrs
HFT 3395 Entertainment Media and Technology 3 hrs
HFT 4469 Financial Performance in Entertainment 3 hrs
HFT 3593 Consumer Behavior in Entertainment 3 hrs
3000 or Higher Restricted Elective 3 hrs

Senior Year - Spring 14 hrs
HFT 4944 Internship III 1 hr
HFT 4378 Entertainment Portfolio Management 3 hrs
HFT 4398 Entertainment Entrepreneurship 3 hrs
Entertainment Management Restricted Elective 3 hrs
University Free Electives 4 hrs

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

Environmental Engineering (B.S.Env.E.)

College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohi, carolann.pohi@ucf.edu
Dr. Andrew Randall, andrew.randall@ucf.edu
Phone: 407-823-2841

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHM 2040 AND CHM 2041.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.
- Students in the Environmental Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Environmental Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Environmental Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Environmental Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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

The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select one class from Historical Foundations 6 hrs
- Select one class from MUL 2010, PHI 2010 or THE 2000 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select one class from Social Foundations Group 1 3 hrs
- Select one class from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs
- Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- A grade of "C" (2.0) or better is required in each course in this section.

1 MAC 2311C Calculus with Analytic Geometry I GEP
1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
1 MAP 2302 Ordinary Differential Equations I 3 hrs
1 PHY 2048C General Physics Using Calculus I GEP
1 PHY 2049C General Physics Using Calculus II 4 hrs

Select one of the following sequences of courses:
- Preferred course
  CHM 2045C Chemistry Fundamentals I 4 hrs
  or
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs
1 also satisfy UCF GEP sub-requirements

3. Core Requirements: Basic Level (9 hrs)
- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.

1 EGS 1006C Introduction to the Engineering Profession 1 hr
1 EGN 1007C Engineering Concepts and Methods 1 hr
1 CHM 2045C Chemistry Fundamentals I CPP
1 CHM 2046 Chemistry Fundamentals II 3 hrs
1 CHM 2046L Chemistry Fundamentals Laboratory 1 hr
1 Earth Science GEP
1 Biological Science 3 hrs

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

4. Core Requirements: Advanced Level (53 hrs)
1 EGN 3310 Engineering Analysis-Statics 3 hrs
1 EGN 3321 Engineering Analysis-Dynamics 3 hrs
1 EGN 3331C Mechanics of Materials 3 hrs
1 EGN 3343 Thermodynamics 3 hrs
1 EGN 3613 Engineering Economic Analysis 2 hrs
1 ENV 3001 Environmental Engineering 3 hrs
1 CCE 4003 Environmental Engineering 3 hrs
1 STA 3032 Probability and Statistics for Engineers 3 hrs
1 CWR 3201 Engineering Fluid Mechanics 3 hrs
1 CEG 4011C Geotechnical Engineering I 4 hrs
1 EES 4111C Biological Process Control 4 hrs
1 EES 4202C Chemical Process Control 4 hrs
1 ENV 4531 Environmental Engineering Unit Operations & Processes 3 hrs
1 ENV 4120 Air Pollution and Hazardous Waste Control 3 hrs
1 ENV 4561 Advanced Environmental Engineering 3 hrs
1 ENV 4341 Sustainable Resource Management 3 hrs
1 CWR 4202C Hydraulics 3 hrs

Select one of the following:
- CWR 4120 Hydrology or 3 hrs
- CWR 4124 Hydrogeology 3 hrs

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

5. Restricted Electives (3 hrs)
- Technical electives are available in the BSEnvE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Required Senior Design Courses
- Environmental Engineering Design 3 hrs

Specialization
- Must be completed before registering for CGN 4808C - Capstone Design
- ENV 4433C Environmental Engineering Wastewater Design or 3 hrs
1 ENV 4122C Air Pollution Control Design or 3 hrs
1 ENV 4562C Environmental Engineering Water Treatment Design 3 hrs
1 CWR 4202C CECE Capstone Design 3 hrs

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

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- EnvE students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Chemistry
- Construction Engineering
- Civil Engineering

Certificates
- None

Related Minors
- Chemistry
- Environmental Studies
- Mathematics
- Engineering Leadership
- Bioengineering

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Environmental Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

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

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr
- CHM 2045C Chemistry Fundamentals I 3 hrs
- Biological Science Requirement 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 3 yrs
- PHY 2048C General Physics Using Calculus II 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- GEP 3 hrs

Sophomore Year - Fall
- MAC 2313 Calculus with Analytic Geometry III 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3313 Engineering Economic Analysis 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ENV 3001 Environmental Engineering 3 hrs

Sophomore Year - Spring
- MAP 2302 Ordinary Differential Equations I 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3331C Mechanics of Materials 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs

Sophomore Year - Summer
- STA 3032 Probability and Statistics for Engineers 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs

Junior Year - Fall
- ENV 4531 Environmental Engineering Unit Operations 3 hrs
- EES 4202C Chemical Process Control 4 hrs
- ENV 4210 Air Pollution and Hazardous Waste Control 3 hrs
- CWR 4202C Hydraulics 3 hrs
- GEP 3 hrs

Junior Year - Spring
- EES 4111C Biological Process Control 4 hrs
- ENV 4561 Advanced Environmental Engineering Operations & Processes 3 hrs
- GEP 3 hrs
- Approved Project Design 3 hrs

Select 1:
- CWR 4210 Hydrology or 3 hrs
- CWR 4214 Hydrogeology 3 hrs

Senior Year - Fall
- CEG 4011C Geotechnical Engineering I 4 hrs
- ENV 4341 Sustainable Resource Management 3 hrs
- GEP 3 hrs
- Earth Science 3 hrs

Senior Year - Spring
- Technical Elective 3 hrs
- GEP 3 hrs
- CGN 4808C CECE Capstone Design 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs

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

Equipment Fees
- Part-Time Student: $44 per term
- Full-Time Student: $87 per term

Environmental Studies (B.S.)
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://is.ucf.edu
Email: is@ucf.edu
407-823-0144

The Environmental Studies degree prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Environmental Studies major at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in the major.
Students must earn at least a "C" (2.0) grade in each required course in the core and subject areas.

Students must consult with an Interdisciplinary Studies adviser when entering the program.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Students wishing to earn an Environmental Studies degree as a double degree, double major, or second degree, must complete all advanced level core requirements and restricted electives exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP)

A: Communication Foundations (9 hrs)
- Required: STA 2023 Statistical Methods I 3 hrs
- Required: MAC 1105C College Algebra 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required: SYG 2000 Introduction to Sociology 3 hrs
- Required: ECO 2023 Principles of Microeconomics 3 hrs

C: Mathematical Foundations (6 hrs)
- Required: MAC 1105C College Algebra 3 hrs
- Required: STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Required: BSC 2010C Biology I 4 hrs
- Required: CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP)
None

3. Core Requirements: Basic Level (11 hrs)

Core for Environmental Studies

Physical/Mathematical Sciences
- CHM 2045C Chemistry Fundamentals I GEP 4 hrs
- MAC 1105C College Algebra GEP 3 hrs
- STA 2023 Statistical Methods I GEP 3 hrs

select one of the following:
- GLY 2038 Environmental Geoscience or 3 hrs
- PHY 1038 Physics of Energy and the Environment or 3 hrs
- PSC 1121 Physical Science 3 hrs

Life Sciences
- BSC 2010C Biology I GEP 3 hrs
- BSC 2011C Biology II 4 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr

Social Science & Humanities
- SYG 2000 Introduction to Sociology GEP 3 hrs
- ECO 2023 Principles of Microeconomics GEP 3 hrs

4. Core Requirements: Advanced Level (19 hrs)

Environmental Studies Fundamentals
- IDS 3150 Foundations of Environmental Studies 3 hrs
- ECP 3302 Economics and the Environment 3 hrs
- GIS 3043C GIS for Environmental Studies 3 hrs
- GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
- PUP 3203 Environmental Politics 3 hrs
- SYD 4510 Environment and Society 3 hrs

5. Restricted Electives (18 hrs)

Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.

Select eighteen hours in one concentration.

Science Concentration
- BCH 4533 Biochemistry I 3 hrs
- BCH 4534 Biochemistry II 3 hrs
- BOT 3802 Ethnobotany 3 hrs
- BOT 4303C Plant Kingdom 5 hrs
- BOT 4713C Plant Taxonomy 5 hrs
- BSC 4312C Advanced Marine Biology 4 hrs
- CHM 3120 Analytical Chemistry 3 hrs

- OCE 3008 Oceanography 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3442 Aquatic Ecology 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs
- PCB 4723 Animal Physiology 4 hrs
- ZOO 4910L Research Experience in Animal Behavior in a Zoo Environment 1 hr

Values, Planning, & Policy Concentration
- ANT 3541 Biobehavioral Anthropology 3 hrs
- ANT 4051 Environmental Anthropology 3 hrs
- BOT 3802 Ethnobotany 3 hrs
- ECP 4303 Environmental and Natural Resource Economics 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 4360 Nature Writing 3 hrs
- INR 4351 International Environmental Law 3 hrs
- PAD 3330 Urban and Regional Planning 3 hrs
- PAD 4351 Issues in Environmental Program Management 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment 3 hrs
- PHI 3640 Environmental Ethics 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- PHM 4031 Environmental Philosophy 3 hrs
- PLA 4554 Environmental Law 3 hrs
- PUP 3204 Sustainability 3 hrs
- PUP 4209 Urban Environmental Policy 3 hrs

6. Capstone Requirements (3 hrs)
The Capstone course is taken in the Senior year.
- IDS 4893 Capstone in Environmental Studies 3 hrs

7. Foreign Language Requirements

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

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language. Standardized examinations for foreign languages may be used to meet the requirement.

Electives
- Select primarily from upper level courses, with adviser approval.

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
- 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.

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

Total Semester Hours Required
- 120

Honors In Major
None

Related Programs
- Biology
- Chemistry
- Environmental Engineering
- Political Science
- Economics

Certificates
None

Related Minors
- all minors

Advising Notes
None
### UCF Degree Programs

#### Event Management (B.S.)
**Rosen College of Hospitality Management**
**Department of Tourism Event and Attractions,**
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu

**Email:** hospitality@mail.ucf.edu
Dr. Robertico Croes, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

#### Admission Requirements
- **None**

#### Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. **UCF General Education Program (GEP) (36 hrs)**
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     - Required MAC 1105C College Algebra 3 hrs

2. **Select 1: 3 hrs**
   - Required CGS 2100C Computer Fundamentals for Business or Statistical Methods I 3 hrs
   - Required STA 2023

3. **D: Social Foundations (6 hrs)**
   - Select 1: 3 hrs
     - Required ECO 2013 Principles of Macroeconomics 3 hrs
     - Required ECO 2023 Principles of Microeconomics 3 hrs

4. **Select 1: 3 hrs**
   - Required PSY 2012 General Psychology or Principles of Microeconomics 3 hrs
   - Required SYG 2000 Introduction to Sociology or Principles of Economics 3 hrs
   - Required ANT 2000 General Anthropology 3 hrs

5. **E: Science Foundations (6 hrs)**

6. **2. Common Program Prerequisites (CPP) (3 hrs)**
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

7. **3. Core Requirements: Basic Level (MAC 1105C College Algebra GEP)**

8. **Select 1: 3 hrs**
   - STA 2023 Statistical Methods I or CGS 2100C Computer Fundamentals for Business GEP

9. **Select 1: 3 hrs**
   - ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics GEP

10. **4. Core Requirements: Advanced Level (55 hrs)**
    - **Hospitality Management Core (24 hrs)**
      - HFT 2401 Hospitality Industry Financial Accounting 3 hrs
      - HFT 2500 Hospitality and Tourism Marketing 3 hrs
      - HFT 2220 Hospitality Human Resources Management 3 hrs
      - HFT 2254 Lodging Operations 3 hrs
      - HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
      - HFT 3540 Guest Services Management I 3 hrs
      - HFT 4286 Hospitality Communications 3 hrs
      - HFT 4464 Hospitality Industry Finance 3 hrs

    - **Internships 3 hrs**
      - HFT 3940 Internship I 1 hr
      - HFT 4941 Internship II 1 hr
      - HFT 4944 Internship III 1 hr

    - **Event Management Core (28 hrs)**
      - FSS 2284C Food Preparation for Catered Events 4 hrs
      - HFT 2750 The Event Industry 3 hrs
      - HFT 3670 Hospitality and Event Risk Management 3 hrs
      - HFT 3512 Event Promotion 3 hrs
      - HFT 3519 Event Services 3 hrs
      - HFT 3523 Event Sales 3 hrs
      - HFT 4757 Event Management 3 hrs
      - HFT 3443 Event Technology 3 hrs
      - HFT 4802 Catering Sales Management 3 hrs

    - **5. Restricted Electives (15 hrs)**
      - Complete any five restricted Event Management Electives 15 hrs

    - **Management Electives**
      - HFT 3741 Meeting Management or 3 hrs
      - HFT 4754 Exhibit and Trade Show Operations or 3 hrs
      - HFT 4795 Entertainment Arts and Events or 3 hrs
      - HFT 3798 Fairs and Festivals or 3 hrs
      - HFT 4561 Destination Marketing & Management or 3 hrs
      - HFT 4736 Destination Management or 3 hrs
      - HFT 4796 International Events or 3 hrs
      - HFT 4375 Advanced Trade Show Management or 3 hrs
      - HFT 3357 Club Event Operations or 3 hrs
      - HFT 4866C Exploring Wines of the World 3 hrs

11. **6. Capstone Requirements**
    - None

12. **7. Foreign Language Requirements**
    - None

13. **Admissions**
    - State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

14. **Graduation**
    - None

15. **8. Electives**
    - 3-11 hours as necessary to result in 120 total credit hours.

    - 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.

17. **10. Required Minors**
    - None

18. **11. Departmental Exit Requirements**
    - None

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

20. **Total Semester Hours Required**
    - 120

21. **Honor In Major**
    - None
### UCF Degree Programs

#### Related Programs
- None

#### Certificates
- None

#### Related Minors
- None

#### Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

#### 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 College System institution students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study

##### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- MAC 1105C College Algebra 3 hrs
- CulHist. Foundations I 3 hrs
- Select 1: 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

##### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- HFT 2254 Lodging Operations 3 hrs
- HFT 2750 The Event Industry 3 hrs
- CulHist. Foundations II 3 hrs
- Select 1: 3 hrs
- CGS 1060C Introduction to Computers or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

##### Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- FSS 2284C Food Preparation for Catered Events 4 hrs
- Science Foundations I 3 hrs
- Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

##### Sophomore Year - Spring
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs
- Science Foundations II 3 hrs
- CulHist. Foundations III 3 hrs
- Free Elective 3 hrs

##### Junior Year - Fall
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3519 Event Services 3 hrs
- HFT 3670 Hospitality and Event Risk Management 3 hrs
- HFT 3512 Event Promotion 3 hrs
- HFT 3940 Internship I 1 hr

##### Junior Year - Spring
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 3523 Event Sales 3 hrs
- HFT 3443 Event Technology 3 hrs
- HFT 4941 Internship II 1 hr
- Event Restricted Elective 3 hrs
- Free Elective 3 hrs

##### Senior Year - Fall
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4944 Internship III 1 hr
- Event Restricted Electives 12 hrs

##### Senior Year - Spring
- HFT 4757 Event Management 3 hrs
- HFT 4802 Catering Sales Management 3 hrs
- Event Restricted Elective 3 hrs
- Free Electives 3 hrs

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

#### Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

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

**College of Education and Human Performance**

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

**Education Complex, Room: 209**

[http://education.ucf.edu](http://education.ucf.edu)

Dr. Rebecca Hines, rebecca.hines@ucf.edu

The Exceptional Education B.S. provides students a community-embedded teacher preparation program that culminates in certification in Exceptional Education K-12 with Reading and ESOL endorsements. The Exceptional Education program is appropriate for students interested in employment in K-12 settings working with students with disabilities. Exceptional Education is a critical shortage area and students may be eligible for funding under the TEACH grant. Information can be found at [https://finaid.ucf.edu/grants/teachgrant.html](https://finaid.ucf.edu/grants/teachgrant.html)

#### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C” (2.00) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- The Exceptional Education Program is community-based and courses include field experiences in a variety of settings during the junior and senior year of the program.
- Criminal background checks including fingerprints are required for all applicants to the Exceptional Education program. Students who do not meet approval criteria for working in local schools will not be admitted to the program.
- All applicants are required to attend an information session prior to submitting the application for admission to the program.
- Interview with faculty for final application approval required.

#### Degree Requirements
- Enrollment is limited. 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.
UCF Degree Programs

- Passing scores on ALL three applicable sections of the Florida Teacher Certification Examination: General Knowledge Test (GKT), Professional Education Test (PEd) and Subject Area Examination for Exceptional Student Education K-12
- Students must earn a “C” or better in each required Exceptional Education course
- 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.

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

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

B: Cultural & Historical Foundations (9 hrs)
- General Education Program course from section B1 chosen to meet Gordon Rule requirement
- General Education Program course: Prefer a second course from GEP section B1 3 hrs

Select 1: 3 hrs
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 210 Introduction to Philosophy or 3 hrs
- Prefer MUL 1010 Enjoyment of Music 3 hrs

C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs
- Suggested MAC 1105C College Algebra or 3 hrs
- Suggested MGF 1106 Finite Mathematics 3 hrs

Select 1: 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2102 General Psychology 3 hrs

E: Science Foundations (6 hrs)

Select 1: 3 hrs
- Prefer PSC 1121 Physical Science 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs
- Prefer ANT 2511 The Human Species or 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2055 Introduction to the Teaching Profession 3 hrs
- EDF 2055 Introduction to Diversity for Educators 3 hrs
- EME 4045 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level (12 hrs)

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
- Electives with advisor approval 6 hrs

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (63 hrs)
- Exceptional Education majors take a variety of courses related to children, adolescents, and adults with special needs, and their learning, development, and family environment. Students majoring in Exceptional Education take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the Exceptional Education major’s program and to integrate theory and practice in actual school settings. Throughout the Exceptional Education program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty.
- Please note: It is strongly recommended to take the Professional Education Test (PEd) portion of the FTCE during Semester II
- Only students pursuing the Exceptional Education B.S may enroll in RED 4519 and RED 4942 during the same semester.

Semester I 15 hrs
- 1EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- 1EEX 4601 Introduction to Behavior Management 3 hrs
- 1RED 3012 Basic Foundations of Reading 3 hrs
- 1TSL 4080 Theory and Practice of Teaching ESSL 3 hrs

Semester II 15 hrs
- RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs
- EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs

Methods Content Area Course I- Select one from:
- Elementary Content Area Course:
  - MAE 3310 Elementary Mathematics for Teaching I 3 hrs
  - or - Secondary Content Area Course:
  - MAE 4360 Mathematics Instructional Analysis 4 hrs

Semester III 6 hrs
- EEX 3221 Assessment of Exceptional Students 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs

Please note: It is strongly recommended to take the Professional Education Test (PEd) and the Exceptional Education Subject Area Exam portions of the Florida Teacher Certification Exam (FTCE) after completion of Semester I and II, but prior to Semester III and IV.

- Students must apply and be approved for Internship I.
- At least 50% of all specialization courses must be completed with a grade of “C” (2.0) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

Semester IV 15 hrs
- EEX 3942 Internship I Exceptional Education 3 hrs
- 1EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- 1EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Methods content area course II- Select one course from the Elementary OR Secondary Content Area: Elementary Content Area Courses 3 hrs
- MAE 3311 is a preferred Elementary Content Area course.
- SCE 3310 Teaching Science in Elementary School 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School 3 hrs
- LAE 3414 Literature for Children or 3 hrs
- MAE 3311 Elementary Mathematics for Teaching II 3 hrs

Secondary Content Area Courses 3 hrs
- SCE 4360 Science Instructional Analysis or 4 hrs
- SSE 4361 Social Science Instructional Analysis 3 hrs
- LAE 4361 Literacy Strategies in a Digital Age or 3 hrs
- MAE 4464 Survey of Adolescent Literature 3 hrs

1 To enroll in this course, you must be registered for EEX 3942 Internship I.

- Students must apply and be approved for Internship II
- A passing score on all applicable sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional Education Test, and Subject Area Examination for Exceptional Student Education K-12) is strongly recommended before entry into student teaching (EEX 4941 Internship II).
### UCF Degree Programs

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<thead>
<tr>
<th>Semester V</th>
<th>12 hrs</th>
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<td><strong>1</strong> EEX 4066</td>
<td>Curriculum, Theory and Instructional Strategies for Students with Special Needs</td>
</tr>
<tr>
<td><strong>1</strong> EEX 4941</td>
<td>Internship</td>
</tr>
</tbody>
</table>

1 *To enroll in this course, you must be registered for EEX 4941 Internship II.

- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.065.
- All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C" (2.0) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

#### 5. Restricted Electives
- None
#### 6. Capstone Requirements
- None

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

#### Graduation
- None

#### 8. Electives
- None

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Achieve a minimum overall 2.5 GPA within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. Together these assignments provide potential employers with a snapshot picture of the skills attained in your academic program. All teacher education candidates, Lifelong Learning majors, and Early Childhood Development and Education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. See [http://livetext.education.ucf.edu/](http://livetext.education.ucf.edu/). Complete ESOL standards assessment tracking requirements in LiveText for the ESOL endorsement
- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

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

### Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- None

#### Certificates
- None

#### Related Minors
- None

#### Advising Notes
- None

#### Transfer Notes
- None

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study

**Freshman Year - Fall**
- EME 2040 Introduction to Technology for Educators 3 hrs
- ENC 1101 Composition I 3 hrs

**Select 1**
- MAC 1105C College Algebra or 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

**Freshman Year - Spring**
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs

**Freshman Year - Summer**
- POS 2041 American National Government 3 hrs

**Sophomore Year - Fall**
- GEP B1 Elective 3 hrs

**Select 1**
- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Elective 3 hrs

**Sophomore Year - Spring**
- GEP B3 Elective (Prefer course from section B1) 3 hrs
- STA 2041C Principles of Statistics 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
- Elective 3 hrs

**Junior Year - Fall**
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- EEX 4601 Introduction to Behavior Management 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

**Junior Year - Spring**
- RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs
- EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs

#### Methods Content Area Course I - Select one from:
- Elementary Content Area Course
  - MAE 3310 Elementary Mathematics for Teaching I 3 hrs
  - MAE 4360 Elementary Mathematics Instructional Analysis 4 hrs
- Secondary Content Area Course
UCF Degree Programs

Junior Year - Summer 6 hrs

- EEX 3221 Assessment of Exceptional Students 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs

Senior Year - Fall 15 hrs

- EEX 3942 Internship I Exceptional Education 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Methods content area course II - Select one course from the Elementary OR Secondary Content Area:

Elementary Content Area Courses 3 hrs

- MAE 3311 is a preferred Elementary Content Area course.
- SCE 3310 Teaching Science in Elementary School or 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School or 3 hrs
- LAE 3414 Literature for Children or 3 hrs
- MAE 3311 Elementary Mathematics for Teaching II 3 hrs

Secondary Content Area Courses 3 hrs

- SCE 4360 Science Instructional Analysis or 4 hrs
- SSE 4361 Social Science Instructional Analysis or 3 hrs
- LAE 4361 Literacy Strategies in a Digital Age for Middle and High School or 3 hrs
- LAE 4464 Survey of Adolescent Literature 3 hrs

Senior Year - Spring 12 hrs

- EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs
- EEX 4941 Internship 9 hrs

Program Academic Learning Compacts

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

Film (B.F.A.)

College of Arts and Humanities

School of Visual Arts and Design,
Nicholson School of Communication, Room: 121
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Admission Requirements

- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors.
- Exceptions must be approved by the Department Chair.
- Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film BFA major. Contact the School of Visual Arts and Design for details, or visit the website, http://www.svad.cah.ucf.edu.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of “B” (3.0) or better in Film major courses.
- A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students must consult with a departmental advisor each semester.
- All students are required to pay a fee for equipment insurance.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.

- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
- See Transfer Notes for possible substitutions.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Prefer FIL 2030 History of Motion Pictures 3 hrs
- Prefer one course from B.1 list 3 hrs
- Prefer one course from either B.1 or B.2 list 3 hrs

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

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

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

1 FIL 2030 History of Motion Pictures 3 hrs
FIL 1007 Foundations of Story 3 hrs

1 See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (21 hrs)

- Lower level core requirements
  - FIL 2107 Script Analysis 3 hrs
  - FIL 1009 Cinematic Expression for Majors 3 hrs
  - FIL 2552 Editing I 3 hrs
  - FIL 2480 Directing for Film I 3 hrs
  - FIL 2461 Cinematography I 3 hrs
  - FIL 2481 Directing the Actor for Film I 3 hrs
  - DIG 2000 Introduction to Digital Media 3 hrs

4. Core Requirements: Advanced Level (36 hrs)

- Upper level core requirements
  - FIL 3115 Short Script I 3 hrs
  - FIL 3132 Short Script II 3 hrs
  - FIL 3427C Introduction to Film Production 3 hrs
  - FIL 3534 Sound Design for Film I 3 hrs
  - FIL 3036 Film History I 3 hrs
  - FIL 3037 Film History II 3 hrs
  - FIL 3803C Film Theory and Criticism I 3 hrs
  - FIL 3922 Film Colloquium 1 hr
  - FIL 4486C Directing for Film II 3 hrs
  - FIL 4861 The Film Producer 3 hrs
  - FIL 4647 Film Production Management 3 hrs

1 Six semesters of colloquium required at 1 hour each.

5. Restricted Electives (12 hrs)

- Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of 6 hours of Independent Study may be substituted with advisor’s prior approval.

Production / Direction

- FIL 3363C Film Documentary 3 hrs
- DIG 4704 Interactive Entertainment 3 hrs
- FIL 4472C Cinematography II 3 hrs
- FIL 4535C Sound Design for Film II 3 hrs
- FIL 4536C Sound Design for Film III 3 hrs
- FIL 4451 Design for Film 3 hrs
- FIL 4487 Directing for Film III 3 hrs
- FIL 4566C Editing II 3 hrs

Screen Writing

- FIL 4103 Adaptation 3 hrs
- FIL 4162C Feature/TV Writing I 3 hrs
- FIL 4163C Feature/TV Writing II 3 hrs
- FIL 4126C Genre Writing 3 hrs
- FIL 4906 Directed Independent Study 1 hr

Cinema Studies

- FIL 3903C Images of Women in Film 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3051 Avant-Garde Cinema 3 hrs
UCF Degree Programs

- English - Creative Writing
- Digital Media
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
- FIL 1007 may use any introductory film writing course.
- However, FIL 1008 is a prerequisite for all major courses and must be taken.

Plan of Study

Freshman Year - Fall 12 hrs
- ENC 1101 Composition I 3 hrs
- FIL 1007 Foundations of Story 3 hrs
- GEP 3 hrs

Freshman Year - Spring 12 hrs
- ENC 1102 Composition II 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- GEP 3 hrs

Freshman Year - Summer 6 hrs
- GEP 3 hrs

Sophomore Year - Fall 15 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 3427C Introduction to Film Production 3 hrs
- FIL 1008 Cinematic Expression/Aesthetics 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 15 hrs
- FIL 2480 Directing for Film I 3 hrs
- FIL 2481 Directing the Actor for Film I 3 hrs
- FIL 2552 Editing I 3 hrs
- FIL 3115 Short Script I 3 hrs
- GEP 3 hrs

Sophomore Year - Summer 8 hrs
- Foreign Language Elementary Level I 4 hrs
- Foreign Language Elementary Level II 4 hrs

Junior Year - Fall 15 hrs
- FIL 2461 Cinematography I 3 hrs
- FIL 3036 Film History I 3 hrs
- FIL 3534 Sound Design for Film I 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL 4486C Directing for Film II 3 hrs

Junior Year - Spring 15 hrs
- FIL 3037 Film History II 3 hrs
- FIL 3132 Short Script II 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 4647 Film Production Management 3 hrs
- FIL 4661 The Film Producer 3 hrs

Senior Year - Fall 12 hrs
- FIL 4434C Capstone I 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs

Senior Year - Spring 12 hrs
- FIL 4573C Capstone II 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs

Digital Cinema
- ART 2823 Art as Interface 3 hrs
- ART 3618 Post-Production Design 3 hrs
- COP 3502 Computer Science I 3 hrs
- DIG 4985 Converging Media Capstone 3 hrs
- DIG 3138C Digital Imagery 3 hrs
- DIG 4780C Modeling for Realtime Systems 3 hrs
- ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs
- DIG 3134 Media Software Design 3 hrs
- MUC 3311 MIDI Sequencing I 3 hrs

6. Capstone Requirements (6 hrs)
- FIL 4434C Capstone I 3 hrs
- FIL 4573C Capstone II 3 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

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

8. Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A student must maintain an overall average of a “B” (3.0) or better in major courses.
- Department of Film requires an exit interview.

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

Total Semester Hours Required
- 120

Honors in Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-major.

Related Programs
- Art
- Film - Cinema Studies Track
- English - Creative Writing
- Digital Media
- Music
- Theatre
- Radio - Television

Certificates
- None

Related Minors
- Art - Studio
- Film - Cinema Studies

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Film - Cinema Studies Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Nicholson School of Communication, Room: 121
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average of "C" (2.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Cinema Studies Track is not an entrance into the BFA Film Program.
- Internship credit can be used in this major.
- Students must consult with a departmental advisor each semester.

Departmental Residency Requirement consists of at least 45 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Prefer FIL 1007 Foundations of Story 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer one course from B.1 list 3 hrs
- Prefer one course from B.1 or B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Math 3 hrs

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

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

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

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

1 FIL 2030 History of Motion Pictures GE
1 FIL 1007 Foundations of Story 3 hrs

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (12 hrs)

3 FIL 1008 Cinematic Expression/Aesthetics 3 hrs
3 FIL 2107 Script Analysis 3 hrs
3 FIL 2423 Foundations of Production 3 hrs
3 DIG 2000 Introduction to Digital Media 3 hrs

4. Core Requirements: Advanced Level (36 hrs)

3 FIL 3006 Art of the Cinema 3 hrs
3 FIL 3462C Cinematic Expression 3 hrs

5. Restricted Electives (9 hrs)
- Select three courses from the following upper level FIL courses:
  - A maximum of 6 hours Independent Study and/or internship credit may be used
  - None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

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

9. Additional Requirements
- None

10. Required Minors
- Must be taken outside the Film Department. (18 hrs min)

11. Departmental Exit Requirements
- A student must maintain an overall average of "C" (2.0) or better in major courses.

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

Total Semester Hours Required
- 120

Honors in Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-major.
## UCF Degree Programs

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**Advising Notes**
- None

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

#### Acceptable Substitutes for Common Program

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<th>Prerequisites</th>
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**Plan of Study**
- A minor is required. This Plan of Study includes 18 credit hours for a minor. Please check the requirements for a desired minor as more coursework may be required.

### Freshman Year - Fall
- **Freshman Year - Fall** 13 hrs
  - ENC 1101 Composition I 3 hrs
  - FIL 2030 History of Motion Pictures 3 hrs

### Freshman Year - Spring
- **Freshman Year - Spring** 13 hrs
  - ENC 1102 Composition II 3 hrs
  - FIL 1007 Foundations of Story 3 hrs

### Freshman Year - Summer
- **Freshman Year - Summer** 9 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

### Sophomore Year - Fall
- **Sophomore Year - Fall** 15 hrs
  - FIL 2107 Script Analysis 3 hrs
  - FIL 3006 Art of the Cinema 3 hrs

### Sophomore Year - Spring
- **Sophomore Year - Spring** 15 hrs
  - DIG 2000 Introduction to Digital Media 3 hrs
  - FIL 3102 Writing for Film and TV 3 hrs

### Junior Year - Fall
- **Junior Year - Fall** 15 hrs
  - FIL 3303C Film Documentary 3 hrs
  - FIL 3803C Film Theory and Criticism I 3 hrs

### Junior Year - Spring
- **Junior Year - Spring** 15 hrs
  - FIL 3037 Film History II 3 hrs
  - FIL 3462C Cinematic Expression 3 hrs

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

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**Finance (B.S.B.A.)**

**College of Business Administration**

**Department of Finance,**

**Business Administration I, Room: 409**


Phone: 407-823-3575

The study of finance prepares students for careers in corporate finance, investments, banking and real estate. 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 College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least “B” (3.0) in FIN 3403, at least a “B” (3.0) in ACG 3173 OR at least a “C” (2.0) in ACG 3131. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

**Degree Requirements**
- Students who change their degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Finance must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 60 upper level business credit hours 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.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.

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Students in the Finance major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Finance courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Finance major and/or College of Business. A student who is dismissed may seek consideration for readmittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.

Students must earn a “B” (3.0) or higher in FIN 3403 and ACG 3173 (or a “C” (2.0) or higher in ACG 3131). In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Required CGS 2100C Computer Fundamentals for Business 3 hrs
Required MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)
Select 1: ECO 2013 Principles of Macroeconomics or 3 hrs
Prefer ECO 2023 Principles of Microeconomics 3 hrs
Select 1: PSY 2012 General Psychology or 3 hrs
Suggested PSY 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
Must be completed with a “C” (2.0) or better.
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:

Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.

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

3. Core Requirements: Basic Level
None

4. Core Requirements: Advanced Level (42 hrs)
Primary Core
ACG 3173 Accounting for Decision-Makers 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
FIN 3403 Business Finance 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs

Secondary Core
GEB 3006 Introduction to Career Development and Financial Planning 2 hrs
GEB 3003 Career Research & Planning 1 hr

Required Courses for Major (12 hrs)
FIN 3414 Intermediate Corporate Finance 3 hrs
FIN 4243 Debt and Money Markets 3 hrs
FIN 4504 Equity and Capital Markets 3 hrs
FIN 4424 Advanced Topics in Financial Management 3 hrs

5. Restricted Electives (15 hrs)
Finance Electives (12 hrs)
Select 2: (6 hrs)

Minimum of 2 courses required.
FIN 3461 Financial Statement Analysis 3 hrs
FIN 4324 Commercial Bank 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

Finance Restricted Electives (6 hrs)
Select two below or an additional two courses from the Finance Electives above:
ACG 3141 Intermediate Financial Accounting II 3 hrs
ECO 4412 Econometrics I 3 hrs
ECO 4412 Econometrics II 3 hrs
ECO 3101 Intermediate Microeconomics 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs
FIN 4506 Directed Independent Study 3 hrs
FIN 4941 Finance Internship 3 hrs
FIN 4903H Honors Directed Reading I 3 hrs
FIN 4970H Undergraduate Honors Thesis 3 hrs
GEB 4374 International Negotiations and Transactions 3 hrs
MRS 3391 Professional Selling 3 hrs
REE 4203 Commercial Real Estate Finance 3 hrs
REE 4303 Real Estate Investment Analysis 3 hrs

6. Capstone Requirements (3 hrs)
Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation
Graduation
None

8. Electives
Variable

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

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
any student receiving a business degree must complete a minimum of 30 of the 60 upper level business credit hours for their degree program in the ucf college of business administration. additionally, 12 of the 30 credit hours completed at ucf must be from the department or school in which the student majors.

acceptable substitutes for transfer courses

plan of study

general electives as required to earn 120 semester hours. the department recommends completing fin 2100 (personal finance) as a general elective, prior to the junior year.

freshman year - fall 15 hrs

- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Cultural Foundation I 3 hrs
- Elective 3 hrs

freshman year - spring 15 hrs

- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs
- Elective 3 hrs

sophomore year - fall 15 hrs

- ACG 2021 Principles of Financial Accounting 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Science 3 hrs
- Historical Foundation I 3 hrs
- Elective 3 hrs

sophomore year - spring 15 hrs

- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Historical Foundation II 3 hrs
- Science 3 hrs

sophomore year - summer 2 hrs

- GEB 3006 Introduction to Career Development and Financial Planning 2 hrs

junior year - fall 16 hrs

- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- FIN 3403 Business Finance 3 hrs
- GEB 3003 Career Research & Planning 1 hr

junior year - spring 13 hrs

- GEB 3375 Introduction to International Business 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4243 Debt and Money Markets 3 hrs
- GEB 3005 Career Search Strategy 1 hr
- Business Elective 3 hrs

senior year - fall 16 hrs

- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- FIN 4504 Equity and Capital Markets 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- FIN Elective 3 hrs
- FIN Restricted Elective 3 hrs

senior year - spring 13 hrs

- FIN 4424 Advanced Topics in Financial Management 3 hrs
- MAN 4720 Strategic Management 3 hrs
- GEB 4004 Executing Your Career Plan 1 hr
- FIN Elective 3 hrs
- FIN Restricted Elective 3 hrs

program academic learning compacts

program academic learning compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeps.ucf.edu/acl/academic_learning_compacts.htm

equipment fees

- part-time student: $25 per term
- full-time student: $50 per term
UCF Degree Programs

Forensic Science - Biochemistry Track (B.S.)

College of Sciences
Department of Chemistry,
Physical Sciences Building, Room: 255
http://chemistry.cos.ucf.edu/

Email: chemstaff@ucf.edu
Dr. Tamra Legron-Rodriguez, tamra.legron-rodriguez@ucf.edu
Phone: 407-823-1167

Students completing the Forensic Science - Biochemistry Track B.S. degree will also meet the requirements for ACS certification. This track is designed to align students with specific courses necessary for the examination of DNA and other biochemical evidence.

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. Courses may be outside the department.

1. UCF General Education Program (GEP) (39 hrs)
- Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A. Communication Foundations (9 hrs)
- Provide SPC 1003C Fundamentals of Technical Presentations
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

B. Cultural & Historical Foundations (9 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs

E: Science Foundations (8 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs

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

BSC 2010C Biology I 4 hrs
BSC 2025C Biology II or
BSC 2020C General Zoology 3 hrs

Select one of the following sequences of courses:

CHM 2045C Chemistry Fundamentals I 4 hrs

- or

CHM 2040 Chemistry Fundamentals IA and
CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312C Calculus with Analytic Geometry II GEP
PHY 2048C General Physics Using Calculus I GEP
PHY 2049C General Physics Using Calculus II 4 hrs

BSC 2010C Biology I and

3. Core Requirements: Basic Level (16 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP

CHM 2045C Chemistry Fundamentals I CPP

- or

CHM 2040 Chemistry Fundamentals IA and
CHM 2041 Chemistry Fundamentals IB CPP

- and

CHM 2046 Chemistry Fundamentals II and
CHM 2046L Chemistry Fundamentals Laboratory and
MAC 2311C Calculus with Analytic Geometry I and
MAC 2312C Calculus with Analytic Geometry II and
PHY 2048C General Physics Using Calculus I and
PHY 2049C General Physics Using Calculus II CPP

Basic Core: Additional Requirements 16 hrs

CHM 2210 Organic Chemistry I and
CHM 2211 Organic Chemistry II and
CHM 2211L Organic Laboratory Techniques I and
CHM 2120C Analytical Chemistry and
CHM 2120L Analytical Chemistry Laboratory and
STA 2023 Statistical Methods I and
PCB 3063 Genetics and
PCB 3063L Genetics Laboratory 1 hr

4. Core Requirements: Advanced Level (48 hrs)

A. Forensic Science Core 32 hrs

CHS 3501 Introduction to Forensic Science 3 hrs
CHS 3505C Forensic Microscopy 4 hrs
CHS 3511C Trace Evidence 4 hrs
CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
CHS 3533 Forensic Biochemistry I 2 hrs
CHS 3595 Forensic Science in the Courtroom 3 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
CHS 4591 Forensic Science Internship 4 hrs
CHM 4221 Applied Physical Chemistry 3 hrs
BCH 4053 Biochemistry I 3 hrs

B. Forensic Biochemistry Track: 16 hrs

BSC 3403C Quantitative Biological Methods 4 hrs
CHS 3533L Forensic Biochemistry I Laboratory 1 hr
CHS 4534C Forensic Biochemistry II 3 hrs
MCB 3020C General Microbiology 5 hrs
PCB 3522 Molecular Biology I 3 hrs

5. Restricted Electives (4 hrs)

Note: Substitutions require prior approval by the Forensic Science Program Advisor

ANT 4521 Forensic Anthropology 3 hrs
BCH 4054 Forensic Anthropology 3 hrs
CHM 3215L Organic Laboratory Techniques II 2 hrs
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
CHM 4912 Directed Independent Research 3 hrs
CHS 5504 Topics in Forensic Science 3 hrs
PCB 3233 Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 4524 Molecular Biology II 3 hrs
STA 4163 Statistical Methods II 3 hrs
ZOO 3733C Human Anatomy 4 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

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

9. Additional Requirements
- None
10. Required Minors
   ■ None

11. Departmental Exit Requirements
   ■ Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
   ■ Students must maintain a cumulative GPA of 2.5 in all courses taken to meet Common Program Prerequisites and Core Requirements: Basic Level, Core Requirements: Advanced Level and Restricted Electives.
   ■ All attempts of courses taken that could meet major requirements are included in the GPA calculation. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives) and a “C” (2.0) or better is earned are also included in both GPA calculations.
   ■ The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

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

Total Semester Hours Required
   ■ 124

Honors In Major
   ■ None

Related Programs
■ Forensic Science - Chemistry Track
■ Chemistry
■ Biomedical Sciences

Certificates
■ None

Related Minors
■ Chemistry
■ Biomedical Sciences

Advising Notes
■ None

Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ CHM 2045C: may use CHM X040 plus CHM X041.
■ Calculus: Although other math classes satisfy the CPP, the specified courses are required in the major and still must be taken.
■ Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
■ One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
■ Before registering for Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
■ Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu
■ This plan assumes you need to begin with the three semester chemistry sequence and calculus. Having to start at a lower math class will increase the hours taken.

Freshman Year - Fall
   13 hrs
   CHM 2040 Chemistry Fundamentals IA  3 hrs
   CHS 3501 Introduction to Forensic Science  3 hrs
   MAC 2311C Calculus with Analytic Geometry I  4 hrs
   ENC 1101 Composition I  3 hrs

Freshman Year - Spring
   14 hrs
   CHM 2041 Chemistry Fundamentals IB  3 hrs
   BSC 2010C Biology I  4 hrs
   MAC 2312 Calculus with Analytic Geometry II  4 hrs
   ENC 1102 Composition II  3 hrs

Freshman Year - Summer
   7 hrs
   CHM 2046 Chemistry Fundamentals II  3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory  1 hr
   Lab may be taken in a later term if seats are not available.
   GEP  3 hrs

Sophomore Year - Fall
   14 hrs
   CHM 2210 Organic Chemistry I  3 hrs
   PHY 2048C General Physics Using Calculus I  4 hrs
   PCB 3063 Genetics  3 hrs
   PCB 3063L Genetics Laboratory  1 hr
   SPC 1603C Fundamentals of Technical Presentations  3 hrs

Sophomore Year - Spring
   15 hrs
   CHM 2211 Organic Chemistry II  3 hrs
   PHY 2049C General Physics Using Calculus II  4 hrs
   MCB 3020C General Microbiology  5 hrs
   STA 2023 Statistical Methods I  3 hrs

Sophomore Year - Summer
   5 hrs
   CHM 2211L Organic Laboratory Techniques I  2 hrs
   Lab may be taken in a later term if seats are not available.
   GEP  3 hrs

Junior Year - Fall
   14 hrs
   CHS 3505C Forensic Microscopy  4 hrs
   CHS 3533 Forensic Biochemistry I  2 hrs
   CHS 3533L Forensic Biochemistry I Laboratory  1 hr
   BSC 3403C Quantitative Biological Methods  4 hrs
   GEP  3 hrs

Junior Year - Spring
   13 hrs
   CHS 3595 Forensic Science in the Courtroom  3 hrs
   CHS 4534C Forensic Biochemistry II  3 hrs
   CHM 3120 Analytical Chemistry  3 hrs
   CHM 3120L Analytical Chemistry Laboratory  1 hr
   GEP  3 hrs

Senior Year - Fall
   13 hrs
   CHS 3530C Forensic Analysis of Controlled Substances  4 hrs
   CHM 3422 Forensic Chemistry I  3 hrs
   PCB 3522 Molecular Biology I  3 hrs
   GEP  3 hrs

Senior Year - Spring
   12 hrs
   CHS 3511C Trace Evidence  4 hrs
   CHS 4537 Forensic Laboratory Quality Assurance  2 hrs
   BCH 4053 Biochemistry I  3 hrs
   Restricted Elective  3 hrs

Senior Year - Summer
   4 hrs
   CHS 4591 Forensic Science Internship  4 hrs

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

Equipment Fees
■ Part-Time Student: $45 per term
■ Full-Time Student: $90 per term
FORENSIC SCIENCE - CHEMISTRY TRACK (B.S.)

College of Sciences
Department of Chemistry,
Physical Sciences Building, Room: 255
http://chemistry.cos.ucf.edu/

Email: chemstaff@ucf.edu
Dr. Tamra Legron-Rodriguez, tamra.legron-rodriguez@ucf.edu
Phone: 407-823-1167

Students completing the Forensic Science - Chemistry Track B.S. degree will also meet the requirements for ACS certification. This track is designed to allow students the flexibility to prepare for multiple careers in forensics through selection of restricted elective courses.

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 earn a “C” (2.0) or higher in each course and have a minimum 2.5 cumulative GPA in all courses in categories 2 (Common Program Prerequisites), 3 (Core Requirements: Basic Level), 4 (Core Requirements: Advanced Level), and 5 (Restricted Electives).

■ All prerequisites of courses taught within the College of Sciences will be enforced.

■ Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (39 hrs)

■ Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)

Preferred: SPH 1003C - Fundamentals of Technical Presentations

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

B: Cultural & Historical Foundations (9 hrs)

Required: MAC 2311C - Calculus with Analytic Geometry I 4 hrs
Required: STA 2023 - Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)

Required: STA 2023 - Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

Required: BSC 2010C - Biology I 4 hrs
Required: PHY 2048C - General Physics Using Calculus I 4 hrs

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

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

BSC 2010C - Biology I 3 hrs

Select one of the following sequences of courses:

CHM 2045C - Chemistry Fundamentals I 4 hrs

or

CHM 2040 - Chemistry Fundamentals IA and 3 hrs
CHM 2041 - Chemistry Fundamentals IB and 3 hrs

Take all of the following:

CHM 2046 - Chemistry Fundamentals II 3 hrs

CHM 2046L - Chemistry Fundamentals Laboratory 1 hr
MAC 2311C - Calculus with Analytic Geometry I GEP
MAC 2312 - Calculus with Analytic Geometry II 4 hrs
PHY 2048C - General Physics Using Calculus I GEP
PHY 2049C - General Physics Using Calculus II 4 hrs

3. Core Requirements: Basic Level (15 hrs)

■ All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP

CHM 2045C - Chemistry Fundamentals I CPP

- or

CHM 2040 - Chemistry Fundamentals IA and CPP
CHM 2041 - Chemistry Fundamentals IB CPP

- and

CHM 2046 - Chemistry Fundamentals II and CPP
CHM 2046L - Chemistry Fundamentals Laboratory and CPP
BSC 2010C - Biology I and CPP
MAC 2311C - Calculus with Analytic Geometry I and CPP
MAC 2312 - Calculus with Analytic Geometry II and CPP
PHY 2048C - General Physics Using Calculus I and CPP
PHY 2049C - General Physics Using Calculus II CPP

Basic Core: Additional Requirements 15 hrs

CHM 2210 - Organic Chemistry I and 3 hrs
CHM 2211 - Organic Chemistry II and 3 hrs
CHM 2211L - Organic Laboratory Techniques I and 2 hrs
CHM 3120 - Analytical Chemistry and 3 hrs
CHM 3120L - Analytical Chemistry Laboratory and 1 hr
STA 2023 - Statistical Methods I and 3 hrs
PCB 3063 - Genetics 3 hrs

4. Core Requirements: Advanced Level (37 hrs)

A. Forensic Science Core: 32 hrs

CHS 3501 - Introduction to Forensic Science 3 hrs
CHS 3505C - Forensic Microscopy 4 hrs
CHS 3511C - Trace Evidence 4 hrs
CHS 3530C - Forensic Analysis of Controlled Substances 4 hrs
CHS 3533 - Forensic Biochemistry I 2 hrs
CHS 3595 - Forensic Science in the Courtroom 3 hrs
CHS 4537 - Forensic Laboratory Quality Assurance 2 hrs
CHS 3591 - Forensic Science Internship 4 hrs
CHM 3422 - Applied Physical Chemistry 3 hrs
BCH 4053 - Biochemistry I 3 hrs

B. Forensic Chemistry Track: 5 hrs

CHM 4130 - Advanced Analytical Laboratory Technique 3 hrs
CHM 4130L - Advanced Analytical Chemistry Laboratory 2 hrs

5. Restricted Electives (12 hrs)

Select from the following: 12 hrs

■ Note: Substitutions require prior approval by the Forensic Science Program advisor.

ANT 4521 - Forensic Anthropology 3 hrs
BCH 4054 - Biochemistry II 3 hrs
CHM 3215L - Immunology Laboratory 1 hr
CHS 5504 - Topics in Forensic Science 3 hrs
PCB 3063L - Genetics Laboratory 1 hr
PCB 3233 - Immunology 3 hrs
PCB 3233L - Immunology Laboratory 1 hr
CHS 3633L - Forensic Biochemistry I Laboratory 1 hr
CHS 4534C - Forensic Biochemistry II 3 hrs
STA 4163 - Statistical Methods II 3 hrs
ZOO 3733C - Human Anatomy 4 hrs

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

■ None

10. Required Minors

■ None
11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
- Students must maintain a cumulative GPA of 2.5 in all courses taken to meet Common Program Prerequisites and Core Requirements: Basic Level, Core Requirements: Advanced Level and Restricted Electives.
- All attempts of courses taken that could meet major requirements are included in the GPA calculation. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives) and a “C” (2.0) or better is earned are also included in both GPA calculations.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 124 Honors In Major
- None
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
- Freshman Year - Fall 13 hrs
- Sophomore Year - Fall 14 hrs
- Junior Year - Fall 14 hrs
- Senior Year - Fall 12 hrs
- Freshman Year - Spring 13 hrs
- Sophomore Year - Spring 13 hrs
- Junior Year - Spring 13 hrs
- Senior Year - Spring 13 hrs
- Sophomore Year - Summer 5 hrs
- Junior Year - Summer 5 hrs
- Senior Year - Summer 4 hrs
- Senior Year - Fall 12 hrs
- Junior Year - Fall 14 hrs
- Senior Year - Fall 12 hrs
- Junior Year - Spring 13 hrs
- Senior Year - Spring 13 hrs
- Senior Year - Summer 4 hrs
- Senior Year - Summer 4 hrs

Acceptable Substitutes for Transfer Courses
- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Restrict Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test – http://knightsource.sdes.ucf.edu/placement
- Before registering for Math, take Math Placement Test – http://utc.sdes.ucf.edu
- This plan assumes you need to begin with the three semester chemistry sequence and calculus. Having to start at a lower math class will increase the hours taken.

Freshman Year - Spring 13 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- ENC 1102 Composition II 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Summer 7 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Lab may be taken in a later term if seats are not available.
- GEP 3 hrs

Sophomore Year - Fall 14 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- BSC 2010C Biology I 4 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- Restricted Elective 3 hrs

Sophomore Year - Spring 13 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- PCB 3063 Genetics 3 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Summer 5 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- Lab may be taken in a later term if seats are not available.
- GEP 3 hrs

Junior Year - Fall 14 hrs
- CHS 3505C Forensic Microscopy 4 hrs
- CHS 3511C Trace Evidence 4 hrs
- CHS 3595 Forensic Science in the Courtroom 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Junior Year - Spring 13 hrs
- CHS 3511C Trace Evidence 4 hrs
- CHS 3595 Forensic Science in the Courtroom 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Senior Year - Fall 12 hrs
- CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
- CHS 3533 Forensic Biochemistry I 2 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
- BCH 4053 Biochemistry I 3 hrs
- CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- GEP 3 hrs

Senior Year - Summer 4 hrs
- CHS 4591 Forensic Science Internship 4 hrs

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

French (B.A.)

College of Arts and Humanities

Department of Modern Languages and Literatures, Colbourn Hall, Room: 521

http://mll.cah.ucf.edu/

Dr. Charlotte Trinquet, Charlotte.TrinquetDuLys@ucf.edu

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking
societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French.
- Earn at least a "C" (2.0) in each upper division French course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program (GEP)** (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - Math 6 hrs
     - Suggested MGF 1106 Finite Mathematics or 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics 3 hrs
   - Statistics - Computers 3 hrs
     - Select a course from GEP C.2 list 3 hrs
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)

2. **Common Program Prerequisites (CPP)**
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - 1 FRE 1120C Elementary French Language and Civilization I 4 hrs
   - 1 FRE 1121C Elementary French Language and Civilization II 4 hrs
   - 1 FRE 2200 Intermediate French Language and Civilization I 3 hrs
   - 1 FRE 2201 Intermediate French Language and Civilization II 3 hrs

1 *May be met by proficiency test or completion of FRE 2201.

3. **Core Requirements: Basic Level**
- None

4. **Core Requirements: Advanced Level** (21 hrs)
   - FRW 3100 Survey of French Literature I 3 hrs
   - 1 FRE 3300 French Grammar 3 hrs
   - 1 FRE 3420 French Composition 3 hrs
   - 1 FRE 3760 Advanced French Oral Communication 3 hrs
   - 1 FRE 3780 French Phonetics and Diction 3 hrs
   - Select 1: 3 hrs
     - 1 FRE 4421 Advanced French Conversation or 3 hrs
     - FRE 4422 Advanced French Composition 3 hrs
   - Select 1: 3 hrs
     - FRW 3101 Survey of French Literature II or 3 hrs
     - FRW 3770 Francophone Literature 3 hrs

1 A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

5. **Restricted Electives** (15 hrs)
   - FRW course beyond the survey level (taught in French) 6 hrs
   - Select any upper level FRE, FRT, or FRW courses not already used in the major.

6. **Capstone Requirements**
- None

7. **Foreign Language Requirements**

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

9. **Additional Requirements**
- None

10. **Required Minors**
- None

11. **Departmental Exit Requirements**
   - Earn a grade of "C" (2.0) or higher in at least 36 hours of upper division French courses.
   - Students are required to satisfactorily complete a departmental exit exam, entirely in French. The exam is offered at the end of each October and March and students need the approval of their advisor to take the exam. Students should discuss the optimal test date with their advisor and the French Program Director. Students may take the French Exit Exam a maximum of two times. Exceptions must be approved by the student's French advisor and by the French Program Director.
   - Students must submit their portfolio (FRE 4950C) to their French Faculty Advisor. Students must earn a grade of "C" or higher.

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

**Total Semester Hours Required**
- 120

**Honors In Major**
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at [http://research.honors.ucf.edu/honors-in-the-Major](http://research.honors.ucf.edu/honors-in-the-Major).

**Related Programs**
- Spanish
- Certificates
- None

**Related Minors**
- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

**Advising Notes**
- None

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None
## UCF Degree Programs

### Plan of Study

**Freshman Year - Fall**  
- ENC 1101 Composition I  
- WOH 2012 World Civilization I  
- MGF 1107 Explorations in Mathematics  
- FRE 1120C Elementary French Language and Civilization I  
  
**Freshman Year - Spring**  
- ENC 1102 Composition II  
- WOH 2022 World Civilization II  
- FRE 1121C Elementary French Language and Civilization II  
- Elective  
  
**Sophomore Year - Fall**  
- FRE 2200 Intermediate French Language and Civilization I  
- Social Foundation (Group 1)  
- Science Foundation (Group 2)  
- Mathematical Foundation (Group 2)  
  
**Sophomore Year - Spring**  
- LIT 2120 World Literature II  
- FRE 2201 Intermediate French Language and Civilization II  
- Social Foundation (Group 2)  
- Science Foundation (Group 2)  
  
**Sophomore Year - Summer**  
- Study Abroad  
- Study Abroad  
  
**Junior Year - Fall**  
- FRW 3100 Survey of French Literature I  
- FRE 4421 Advanced French Conversation  
- FRE 3300 French Grammar  
- Restricted Elective  
  
**Junior Year - Spring**  
- FRE 3760 Advanced French Oral Communication  
- FRE 4422 Advanced French Composition  
- FRE 3780 French Phonetics and Diction  
- Select 1:  
  - FRW 3101 Survey of French Literature II or  
  - FRW 3770 Francophone Literature  
  - Restricted Elective  
  
**Senior Year - Fall**  
- FRE 3420 French Composition  
- FRE 3440 Business French I  
- Select 1:  
  - FRW 4552 Nineteenth Century French Literature or  
  - FRW 3370 Short Stories of 18th, 19th and 20th Centuries  
  - Restricted Elective  
  
**Senior Year - Spring**  
- FRW 3740 The French Literature of Canada  
- FRT 4552 Structural Analysis of Beckett’s Watt  
- FRE 3441 Business French II  
- Restricted Elective  

**Program Academic Learning Compacts**  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  
**Admission Requirements**  
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.  
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring. Acceptance to UCF is necessary before acceptance to the program can occur.  
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.  
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.  
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of “C” (2.0)  
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.  

**Degree Requirements**  
- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog  
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida College System or State University System.  
- Students should consult with a departmental advisor  
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, 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 Informatics and Information Management Program  
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.  
- UCF Residency Requirement: 30 hours  
- 1. UCF General Education Program (GEP)  
  - A: Communication Foundations  
  - B: Cultural & Historical Foundations  
  - C: Mathematical Foundations  
  
**Select 1:**  
- Required: CGS 1080C Introduction to Computers or  
- Required: CGS 2100C Computer Fundamentals for Business  
- D: Social Foundations  
- E: Science Foundations  
- 2. Common Program Prerequisites (CPP)  
  - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.  
  - I: ZOO 3733C Human Anatomy  
  - PCB 3703C Human Physiology  
  - STA 2014C Principles of Statistics  
  - 1: CGS 2100C Computer Fundamentals for Business  
  - ACG 2071 Principles of Managerial Accounting  
  - ACG 2021 Principles of Financial Accounting  
  
1. See Transfer Notes  

**Health Informatics and Information Management (B.S.)**  

**College of Health and Public Affairs**  

**Department of Health Management and Informatics,**  

**Health and Public Affairs II, Room: 210**  

**http://www.cohpa.ucf.edu/hmi/bshim.cfm**  

Dr. Alice M. Noblin, alice.noblin@ucf.edu  
Phone: 407-823-2353
### UCDF Degree Programs

#### HSC 3537 Medical Terminology 3 hrs
#### HIM 4624 Health Data Management 3 hrs
#### HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
#### HIM 3116C Health Record Organization and Management 4 hrs
#### HIM 3806C Professional Practice Experience I 3 hrs
#### HIM 4816C Professional Practice Experience II 3 hrs
#### HIM 4226C Coding Procedures I 5 hrs
#### HIM 4265C Coding Procedures II 3 hrs
#### HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
#### HIM 4344C Health Information Department Management 4 hrs
#### HIM 4508C Quality Management 3 hrs
#### HIM 4865C Health Information Management Systems 3 hrs
#### HIM 4726 ICD Procedure Coding 3 hrs
#### HIM 4838 Management Affiliation 5 hrs

**Select 1:** 3 hrs

- HSA 4180 Organization & Management for Health Agencies I or
- MAN 3025 Management of Organizations 3 hrs

#### 5. Restricted Electives
- None

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

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

**Graduation**
- None

#### 8. Electives
- None

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- A minimum 2.5 overall GPA is required for graduation.
- Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

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

### Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- Health Services Administration
- Business Administration
- Computer Science

#### Certificates
- None

#### Related Minors
- Health Services Administration
- Business
- Computer Science

#### Advising Notes
- None

### Transfer Notes
- Florida College System Equivalents:
- Human Anatomy & Physiology I & II (BSC X085 and X086)
- Financial Accounting (ACG 2021)
- Managerial Accounting (ACG 2071)
- Statistics (STA 2014C or any other statistics course)
- Computer Science for Business (CGS 2100C)

#### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CHM 1032 General Chemistry 3 hrs
- HSC 2000 Introduction to Careers in Health Professions 3 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Social 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP Historical 3 hrs
- GEP Social 3 hrs

#### Sophomore Year - Fall
- ZOO 3733C Human Anatomy 4 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- GEP Historical 3 hrs

#### Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- PCB 3703C Human Physiology 4 hrs
- GEP Communication 3 hrs
- GEP Cultural 3 hrs

#### Junior Year - Fall
- 1 HSA 4191 Fundamentals of Health Information Technology 3 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- 1 HSC 3537 Medical Terminology 3 hrs
- Select 1: 3 hrs
- 1 HSA 4180 Organization & Management for Health Agencies I 3 hrs

- The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

#### Junior Year - Spring
- HIM 4226C Coding Procedures I 5 hrs
- HIM 3116C Health Record Organization and Management 4 hrs
- HIM 3806C Professional Practice Experience I 3 hrs
- HIM 4656C Health Information Systems 3 hrs

#### Junior Year - Summer
- HIM 4998 Internship Orientation 0 hrs
- HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
- HSA 3423 Health Law 3 hrs

#### Senior Year - Fall
- HIM 4344C Health Information Department Management 4 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4265C Coding Procedures II 3 hrs
- HIM 4656C Health Information Systems 3 hrs

#### Senior Year - Spring
- HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
- HIM 4816C Professional Practice Experience II 3 hrs
- 1 HIM 4726 ICD Procedure Coding 3 hrs
- HIM 3170 Health Care Finance 3 hrs
- HIM 4998 Internship Orientation 0 hrs

- 1 The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.
## Health Sciences (B.S.)

**College of Health and Public Affairs, Health and Public Affairs I, Room: 124**  
Dr. Suha Saleh, pcpinfo@ucf.edu, 407-823-0946

The Bachelor of Science degree in Health Sciences is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide the students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including but not limited to medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major who choose the Health Sciences track are required to have an overall GPA of 2.5 or better upon graduation. Students who change programs and select this major must adopt the most current catalog.

### Admission Requirements
- None

### Degree Requirements
- Students who change programs and select this major must adopt the most current catalog.
- Students in the Health Sciences track must achieve at least 2.5 overall GPA for graduation.
- Students in the Pre-Clinical track must maintain a minimum overall GPA of 3.0 to stay in this track. Students who fail to maintain a minimum overall GPA of 3.0 cannot remain in the Pre-Clinical track and must change to the Health Sciences track.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required. Students should note that graduate programs may require a higher level of performance for admission.
- No transfer course will be accepted with a grade lower than a “C” (2.0).

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

| A: Communication Foundations | 9 hrs |
| B: Cultural & Historical Foundations | 9 hrs |
| C: Mathematical Foundations | 6 hrs |

**Select 1:**
- 3 hrs
  - Prefer: MAC 1114C College Trigonometry or Suggested: MAC 2233 Concepts of Calculus or Suggested: MAC 2253 Applied Calculus or Suggested: MAC 2311C Calculus with Analytic Geometry I

**D: Social Foundations** (6 hrs)
- Required: PSY 2012 General Psychology 3 hrs

**E: Science Foundations** (8 hrs)
- Required: BSC 2010C Biology I 4 hrs  
  - CHM 2045C Chemistry Fundamentals I 4 hrs

#### 2. Common Program Prerequisites (CPP) (24 hrs)

| BSC 2010C Biology I | GEP |
| BSC 2011C Biology II | 4 hrs |
| PSY 2012 General Psychology | GEP |
| STA 2023 Statistical Methods I | GEP |
| CHM 2045C Chemistry Fundamentals I | GEP |
| CHM 2046 Chemistry Fundamentals II | 3 hrs |
| CHM 2046C Chemistry Fundamentals Laboratory | 1 hr |
| PCB 3703C Human Physiology | 4 hrs |
| ZOO 3733C Human Anatomy | 4 hrs |

**Select 1:**
- MAC 1114C College Trigonometry or GEP
- MAC 2233 Concepts of Calculus or GEP
- MAC 2253 Applied Calculus or GEP
- MAC 2311C Calculus with Analytic Geometry I GEP

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

### Health Sciences Track

#### 4. Core Requirements: Advanced Level (24 hrs)

| HSC 3147 Introduction to Pharmacology | 3 hrs |
| HSC 3211 Preventive Health Care | 3 hrs |
| HSC 4555 Pathophysiology I | 3 hrs |
| HSC 4558 Pathophysiology II | 3 hrs |
| HSC 4501 Epidemiology of Chronic Diseases | 3 hrs |
| HSC 4730 Applied Health Research Methodology | 3 hrs |
| HSC 4572 Clinical Nutrition | 3 hrs |
| HSC 4930 Senior Seminar | 3 hrs |

#### 5. Restricted Electives (28 hrs)
- 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.
- Students must meet restricted elective credit hour requirements and UCF’s 48 upper division credit hour requirements.
- Students are advised to check the Program’s website for updated information and suggested electives for specific Health Professions Graduate Programs.
- It is the student’s responsibility to check with graduate programs to meet prerequisites.

### Health Sciences Track

#### 28 hrs
- Students in the Health Sciences track must achieve at least 2.5 overall GPA for graduation.

**Select at least one course**  
- 3 hrs
  - HSC 3110 Medical Self Assessment or  
  - HSC 3432 Occupational Safety for the Health Care Professional or  
  - HSC 4553 Concepts in Pathophysiological Diagnosis 3 hrs

### Additional electives for Health Sciences track 25 hrs

| CHM 2210 Organic Chemistry I | 3 hrs |
| CLP 3143 Abnormal Psychology | 3 hrs |
| CLP 4314 Health Psychology | 3 hrs |
| COM 3022 Health Communication | 3 hrs |
| COM 4550 Health Communication Campaigns | 3 hrs |
| ENC 3453 Writing About Health and Medicine | 3 hrs |
| HSA 3111 U.S. Health Care Systems | 3 hrs |
| HSA 3012 Issues & Trends in Public Health | 3 hrs |
| HSC 3537 Medical Terminology | 3 hrs |
| HSC 3559 Disabilities in American Society | 3 hrs |
| HSC 4008 Professional Development in Health Professions | 3 hrs |
| HSC 4201 Community Health | 3 hrs |
| HSC 4564 Health Care Needs of the Elderly | 3 hrs |

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**UNIVERSITY OF CENTRAL FLORIDA**

232 Undergraduate Catalog 2017-2018
### UCF Degree Programs

**Pre-Clinical Track**  
- Students in the Pre-Clinical track must maintain a minimum overall GPA of 3.0 to stay in this track. Students who fail to maintain a minimum overall GPA of 3.0 cannot remain in the Pre-Clinical track and must change to the Health Sciences track.

**Select at least one course**  
3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>HSC 4943</td>
<td>Health Sciences Internship or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4553</td>
<td>Concepts in Pathophysiological Diagnosis</td>
<td>3 hrs</td>
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**Additional electives for Pre-Clinical track**  
25 hrs

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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tr>
<td>BCH 4024</td>
<td>Medical Biochemistry</td>
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<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
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</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
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</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
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<tr>
<td>CLP 3143</td>
<td>Abnormal Psychology</td>
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<tr>
<td>CLP 4314</td>
<td>Health Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3022</td>
<td>Health Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4550</td>
<td>Health Communication Campaigns</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4008</td>
<td>Professional Development in Health Professions</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Graduation**

- At least 2.5 overall GPA for graduation.
- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.

**Total Semester Hours Required**

- 120

**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

**Elective**

- Students who transfer in with a Florida College System institution AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose from restricted electives list that pertain to their particular graduate program emphasis.

**Additional Requirements**

- None

**Required Minors**

- None

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### Acceptable Substitutes for Transfer Courses

- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 1010 and BSC 1010L).
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 1011 and BSC 1011L).
UCF Degree Programs

- Chemistry Fundamentals I (CHM 2045C) can be substituted by CHM 1045 and Lab.
- Chemistry Fundamentals II (CHM 2046) and Chemistry Fundamentals Lab (CHM 2046L) can be substituted by CHM 1046 and Lab.
- College Physics I (PHY 2053C) can be substituted by PHY 1053 and Lab.
- College Physics II (PHY 2054C) can be substituted by PHY 1054 and Lab.
- Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) can be substituted by Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086). Please note that these acceptable transfer courses do not fulfill the 48 hour upper division (3000-4000) credit required by UCF for graduation.
- Students transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall 16 hrs
- BSC 2010C Biology I 4 hrs
- MAC 114C College Trigonometry 3 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- GEP Communication 3 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP Cultural 3 hrs

Select 1: 3 hrs
- HSC 2000 Introduction to Careers in Health Professions or Health Careers 3 hrs
- HSC 2524 Introduction to Human Disease 3 hrs

Sophomore Year - Fall 15 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ZOO 3733C Human Anatomy 4 hrs
- GEP Historical 3 hrs

Sophomore Year - Spring 16 hrs
- PCB 3703C Human Physiology 4 hrs
- HUN 2201 Fundamentals of Human Nutrition 3 hrs
- HSC 3147 Introduction to Pharmacology 3 hrs
- GEP Historical 3 hrs
- GEP Social 3 hrs

Junior Year - Fall 16 hrs
- PHY 2053C College Physics I 4 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 3211 Preventive Health Care 3 hrs
- HSC 4572 Clinical Nutrition 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring 16 hrs
- PHY 2054C College Physics II 4 hrs
- HSC 4558 Pathophysiology II 3 hrs
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- HSC 4730 Applied Health Research Methodology 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 13 hrs
- HSC 4930 Senior Seminar 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 1 hr

Senior Year - Spring 12 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

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

Health Services Administration (B.S.)
Department of Health Management and Informatics, Health and Public Affairs, II, Room: 210
http://www.cohpa.ucf.edu/hmi/
Email: hsa-info@ucf.edu

Dr. Mark Bush, DHA, MBA, Undergraduate Program Director, hsa-info@ucf.edu
Phone: 407-823-2359

This program is currently available online and in the classroom. Students who choose to take online courses are urged to complete either CGS 2100C or CGS 1060C prior to enrolling in online-based courses. After enrolling in online courses, students should visit http://learn.ucf.edu. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see http://distrib.ucf.edu/home. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in Health Services Administration as those programs require a GPA of at least 3.0 for admission.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor prior to first semester of enrollment.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours
- HSA Residency Requirement: Students must complete at least 42 credit hours of the core requirements at UCF in the department of Health Management and Informatics.
- Students must achieve at least 2.5 overall GPA for graduation.
- Satisfactory completion of HSA 4850 Internship

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Select 1: 3 hrs
   Required
   - CGS 2100C Introduction to Computers or ECO 2023 Principles of Microeconomics 3 hrs
   - Required
   - CGS 2100C Computer Fundamentals for Business 3 hrs

D: Social Foundations (6 hrs)
   Required
   - ECO 2023 Principles of Microeconomics 3 hrs
   - Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP) (9 hrs)
   - Students must earn a “C” (2.0) or better in each Common Program Prerequisite
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   ECO 2023 Principles of Microeconomics
   ACG 2071 Principles of Managerial Accounting
   ACG 2021 Principles of Financial Accounting
   STA 2023 Statistical Methods I

   Select 1:
   - CGS 2100C Computer Fundamentals for Business
   - CGS 1060C Introduction to Computers

3. Core Requirements: Basic Level
- None
4. Core Requirements: Advanced Level (48 hrs)

- Students must earn a “C” (2.0) or better in each Core Requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>HSA 3104</td>
<td>Health Services Administration Cornerstone</td>
<td>3 hrs</td>
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<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3170</td>
<td>Health Care Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3222</td>
<td>Long Term Care and Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3430</td>
<td>Health Care Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4109</td>
<td>Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4201</td>
<td>Community Health</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4180</td>
<td>Organization &amp; Management for Health Agencies I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4506</td>
<td>Quality Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4702</td>
<td>Health Sciences Research Methods II</td>
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<tr>
<td>HSC 3537</td>
<td>Medical Terminology</td>
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<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4164</td>
<td>Organization &amp; Management for Health Agencies II</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4191</td>
<td>Fundamentals of Health Information Technology</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4850</td>
<td>Health Services Administration Internship</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4853</td>
<td>Internship Orientation</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

1. Course must be completed no more than one semester prior to HSA 4850.

5. Restricted Electives
- None

6. Capstone Requirements (3 hrs)
- HSA 4839 Health Services Administration Capstone | 3 hrs

7. Foreign Language Requirements

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

Graduation
- Students who transfer with an AA degree from a Florida College System institution and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

8. Electives
- 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 Informatics and Information Management, Health Sciences, Aging Studies, Public Administration, and Business.

9. Additional Requirements
- As a requirement for the Bachelor of Science in Health Services Administration major, students must complete an internship within the administrative realm of an actual health care organization. In order to participate in the HSA Internship the student must: 1) Have earned at least 90 Credit Hours prior to the start of the semester in which the internship begins; 2) Have earned at least 24 HSA Credit Hours prior to the start of the semester in which the internship begins; 3) Have a Major GPA of 2.75 prior to the start of the semester in which the internship begins. Additionally, many health care organizations will require that students complete a background check, which may include, but not be limited to, law enforcement fingerprinting, state driving records, credit reports, and criminal records check. The cost of the background check is the student’s responsibility. Background checks may take time to complete and, subsequently, could delay the student’s internship placement. It is advised that, in the semester prior to the internship, the student contact the organization directly to obtain further information on the organization’s background check requirements. Students who have potential background issues must contact the Director of Internships to schedule an interview in order to discuss the impact on field placement. The Health Services Administration Program cannot guarantee internship placement or subsequent degree completion for students who do not pass background checks.

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must earn a “C” (2.0) or better in each Health Services Administration course.

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

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with a faculty advisor.

Related Programs
- Public Administration
- Health Informatics and Information Management

Certificates
- Aging Studies

Related Minors
- Aging Studies
- Health Informatics and Information Management
- Health Sciences
- Public Administration

Advising Notes
- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
- A variety of internship opportunities is available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.
- Students will be assigned a faculty member for the purpose of career advising.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall (14 hrs)
- ENC 1101 Composition I | 3 hrs
1. HSC 2000 Introduction to Careers in Health Professions | 3 hrs
- MAC 1105C College Algebra | 3 hrs
- Free Elective | 3 hrs
- GEP Social | 3 hrs

1. Suggested Introductory Elective

Freshman Year - Spring (12 hrs)
- ENC 1102 Composition II | 3 hrs
- GEP Communication | 3 hrs
- GEP Science | 3 hrs
- GEP Cultural | 3 hrs

Sophomore Year - Fall (15 hrs)
- ECO 2023 Principles of Microeconomics | 3 hrs
- GEP Science | 3 hrs
- CGS 2100C Computer Fundamentals for Business | 3 hrs
- ACG 2021 Principles of Financial Accounting | 3 hrs
- GEP Historical | 3 hrs

Sophomore Year - Spring (12 hrs)
- ACG 2071 Principles of Managerial Accounting | 3 hrs
- STA 2023 Statistical Methods I | 3 hrs
- Free Elective | 3 hrs
- GEP Historical | 3 hrs
Sophomore Year - Summer 8 hrs
Select 1: 3 hrs
Free Elective 3 hrs
Foreign Language 4 hrs

Select 1: 3 hrs
Free Elective 3 hrs
Foreign Language 4 hrs

Junior Year - Fall 15 hrs
HSA 3104 Health Services Administration Cornerstone 3 hrs
HSA 3111 U.S. Health Care Systems 3 hrs
HSC 3537 Medical Terminology 3 hrs
HSC 4201 Community Health 3 hrs
HSA 3222 Long Term Care and Administration 3 hrs

Junior Year - Spring 15 hrs
HSA 3170 Health Care Finance 3 hrs
HSC 4500 Epidemiology 3 hrs
HSA 4180 Organization & Management for Health Agencies I 3 hrs
HSA 4191 Fundamentals of Health Information Technology 3 hrs
Elective / Minor 3 hrs

Senior Year - Fall 15 hrs
HSA 3430 Health Care Economics 3 hrs
HSA 4184 Organization & Management for Health Agencies II 3 hrs
HIM 4508C Quality Management 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
Free Elective 3 hrs
HSA 4853 Internship Orientation 0 hrs

Senior Year - Spring 15 hrs
HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
HSC 4652 Health Law and Ethics 3 hrs
HSA 4939 Health Services Administration Capstone 3 hrs
HSA 4850 Health Services Administration Internship 3 hrs

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

History (B.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Email: history@ucf.edu
Phone: 407-823-2225

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required AMH 2010 U.S. History: 1492-1877 3 hrs
   Select one course from B.1 list 3 hrs
   Select one course from B.2 list 3 hrs
   C: Mathematical Foundations (6 hrs)
   Math:
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.

2. Core Requirements: Basic Level (6 hrs)
   Complete two courses from EUH 2000, EUH 2001, WOH 2012 and/or WOH 2022. Upper level AFH, ASH, EUH, LAH and WOH courses can be substituted for these requirements.
   EUH 2000 Western Civilization I 3 hrs
   EUH 2001 Western Civilization II 3 hrs
   WOH 2012 World Civilization I 3 hrs
   WOH 2022 World Civilization II 3 hrs

3. Core Requirements: Advanced Level (3 hrs)
   HIS 4150 History and Historians 3 hrs

4. Restricted Electives (21 hrs)
   (Must be taken within the History Department)
   Select six hours of approved history courses 18 hrs
   within three of four geographic regions
   Asian, African, and Middle Eastern or 6 hrs
   British and European or 6 hrs
   Latin American or 6 hrs
   U.S. and Canadian 6 hrs
   Select three hours of approved history courses

5. Capstone Requirements
   HIS 4959 History Portfolio 0 hrs

7. Foreign Language Requirements
   Admissions
   - Met by graduation requirement
   Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.
   8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
   9. Additional Requirements
   - None
   10. Required Minors
   - None
   11. Departmental Exit Requirements
   - Maintain a minimum GPA of 2.0 in upper division required courses attempted.
Submit a portfolio (HIS 4959) during the semester of graduation. The portfolio will include 8-12 examples of graded, written work from UCF History classes.

Students must complete at least 18 of the required 36 History credit hours at UCF.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (3 hrs)
     - Required STA 2023 Statistical Methods I 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     - MAC 1105C College Algebra 3 hrs
   - C: Mathematical Foundations (6 hrs)
     - Required MAC 2233 Calculus I 3 hrs
   - D: Scientific Knowledge (9 hrs)
   - E: Life Span and the World Community (6 hrs)
   - F: Knowledge of One's Culture (3 hrs)
   - G: Professional Maturity (3 hrs)
   - H: Social and Institutional Systems (3 hrs)
   - I: Creativity and the Arts (3 hrs)
   - J: Multicultural Awareness (3 hrs)
   - K: Experiential Learning (3 hrs)

2. Management (21 hrs)
   - BUS 2010C Business Law 3 hrs
   - BUS 2020C Principles of Management 3 hrs
   - BUS 2040C Business Environment 3 hrs
   - BUS 2050C Marketing Concepts 3 hrs
   - BUS 2060C Managing Organizations 3 hrs
   - BUS 2110C Financial Accounting 3 hrs
   - BUS 2120C Managerial Accounting 3 hrs
   - BUS 2210C Microeconomics 3 hrs
   - BUS 2310C Macroeconomics 3 hrs

3. Restricted Elective (9 hrs)

4. Required 36 hrs Total Semester Hours Required

Sophomore Year - Spring 16 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
- HIS 4150 History and Historians 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

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

Hospitality Management (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu

Email: hospitality@mail.ucf.edu
Dr. Kevin Murphy, Department Chair, Kevin.Murphy@ucf.edu, 407-903-8177
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - Required MAC 1105C College Algebra 3 hrs

Select 1:
- Required CGS 2100C Computer Fundamentals for Business or STA 2023 Statistics 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

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## UCF Degree Programs

### D: Social Foundations (6 hrs)
**Select 1:** 3 hrs
- Required [ECO 2013](#) Principles of Macroeconomics or [ECO 2023](#) Principles of Microeconomics 3 hrs

**Select 1:** 3 hrs
- Required [SYG 2000](#) Introduction to Sociology or [ANT 2000](#) General Anthropology 3 hrs

### E: Science Foundations (6 hrs)
- **Hospitality Management Core 40 hrs**
- **Core Requirements: Advanced Level (18 hrs)**
- **Quantitative Tools**
  - [MAC 1105C](#) College Algebra GEP

- **Select 1:** [CGS 2100C](#) Computer Fundamentals for Business or [STA 2023](#) Statistical Methods I GEP

- **Select 1:** [ECO 2013](#) Principles of Macroeconomics or [ECO 2023](#) Principles of Microeconomics GEP

- **4. Core Requirements: Basic Level** (40 hrs)
  - **Hospitality Management Core** 40 hrs
    - [FSS 2221C](#) Techniques of Food Preparation 4 hrs
    - [HFT 3540](#) Guest Services Management I 3 hrs
    - [HFT 2401](#) Hospitality Industry Financial Accounting 3 hrs
    - [HFT 3431](#) Hospitality Industry Managerial Accounting 3 hrs
    - [HFT 2500](#) Hospitality and Tourism Marketing 3 hrs
    - [HFT 2220](#) Hospitality Human Resources Management 3 hrs
    - [HFT 3444](#) Hospitality Information Systems 3 hrs
    - [HFT 3603](#) Legal Environment in the Hospitality and Tourism Industry 3 hrs
    - [HFT 4464](#) Hospitality Industry Finance 3 hrs
    - [HFT 4286](#) Hospitality Communications 3 hrs
    - [HFT 4295](#) Leadership and Strategic Management in Hospitality Industry 3 hrs
    - [HFT 3224](#) Hospitality Management & Leadership Fundamentals 3 hrs
    - [HFT 4468](#) Revenue Management in the Hospitality Industry 3 hrs

- **Select 3:** 9 hrs
  - **Internships**
    - [HFT 3700](#) Tourism Management 3 hrs
    - [HFT 3750](#) The Event Industry or 3 hrs
    - [HFT 3273](#) Principles of Resort Timesharing or 3 hrs
    - [HFT 4755](#) Theme Park and Attraction Management or 3 hrs
    - [HFT 4277](#) Club Management 3 hrs

- **Internships**
  - [HFT 3940](#) Internship I 1 hr
  - [HFT 4941](#) Internship II 1 hr
  - [HFT 4944](#) Internship III 1 hr

- **5. Restricted Electives** (15 hrs)
  - **Students should select from the following courses to fulfill their hospitality management restricted elective requirement or select one of the Specialized Tracks.**

- **Restricted Electives** 15 hrs
  - **Students must take 15 credit hours (five courses) from the following:**
    - [FSS 3008](#) Culture and Cuisine 3 hrs
    - [FSS 4268C](#) Catering Management 3 hrs
    - [HFT 3353](#) Golf Planning & Operations I 3 hrs
    - [HFT 3354](#) Agronomy for Golf Course Management 3 hrs
    - [HFT 3355](#) Golf Planning & Operations II 3 hrs
    - [HFT 3357](#) Club Event Operations 3 hrs
    - [HFT 3384](#) Club Enterprise Management 3 hrs

### Specialized Tracks 15 hrs
- **Theme Park and Attraction Management Track**
  - [HFT 4761](#) Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs
  - [HFT 4758](#) Operational Issues in the Theme Park and Attraction Industry or 3 hrs
  - [HFT 4585](#) Entertainment Arts and Events 3 hrs

- **Golf and Club Management Track**
  - [HFT 3353](#) Golf Planning & Operations I or 3 hrs
  - [HFT 3354](#) Agronomy for Golf Course Management or 3 hrs
  - [HFT 3355](#) Golf Planning & Operations II or 3 hrs
  - [HFT 3357](#) Club Event Operations or 3 hrs
  - [HFT 3384](#) Club Enterprise Management or 3 hrs
  - [HFT 4358](#) Golf & Club Facility Design 3 hrs

- **5. Restricted Electives** (15 hrs)
  - **Students should select from the following courses to fulfill their hospitality management restricted elective requirement or select one of the Specialized Tracks.**

- **Restricted Electives** 15 hrs
  - **Students must take 15 credit hours (five courses) from the following:**
    - [FSS 3008](#) Culture and Cuisine 3 hrs
    - [FSS 4268C](#) Catering Management 3 hrs
    - [HFT 3353](#) Golf Planning & Operations I 3 hrs
    - [HFT 3354](#) Agronomy for Golf Course Management 3 hrs
    - [HFT 3355](#) Golf Planning & Operations II 3 hrs
    - [HFT 3357](#) Club Event Operations 3 hrs
    - [HFT 3384](#) Club Enterprise Management 3 hrs

### 6. Capstone Requirements
- **None**
UCF Degree Programs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

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 College System 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.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall 15 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult/Hist. Foundations II 3 hrs
- Select 1: 3 hrs
  - PSY 2012 General Psychology or 3 hrs
  - SYG 2000 Introduction to Sociology or 3 hrs
  - ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult/Hist. Foundations II 3 hrs
- Select 1: 3 hrs
  - CGS 1000C Introduction to Computers or 3 hrs
  - STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs
- HFT 2750 The Event Industry or 3 hrs
- HFT 2254 Lodging Operations 3 hrs

Sophomore Year - Fall 16 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs
- Science Foundations II 3 hrs
- Cul/His. Foundations III 3 hrs
- Free Elective 3 hrs
- FSS 2221C Techniques of Food Preparation 4 hrs

Sophomore Year - Spring 16 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs
- Science Foundations II 3 hrs
- Cul/His. Foundations III 3 hrs
- Free Elective 3 hrs
- FSS 2221C Techniques of Food Preparation 4 hrs

Junior Year - Fall 16 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3603 Legal Environment in the Hospitality and Tour Industry 3 hrs
- HFT 3940 Internship I 1 hr
- Sectorial Studies 6 hrs

Junior Year - Spring 16 hrs
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs
- HFT 4941 Internship II 1 hr
- Sectorial Studies 6 hrs
- Hospitality Restricted Elective 3 hrs

Senior Year - Fall 16 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4944 Internship III 1 hr
- Hospitality Restricted Electives 6 hrs
- Free Elective 3 hrs

Senior Year - Spring 12 hrs
- HFT 4950 Leadership and Strategic Management in Hospitality Industry 3 hrs
- Hospitality Restricted Electives 6 hrs
- Free Electives 3 hrs

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

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Human Communication (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- None
## UCF Degree Programs

### Degree Requirements

- Students who change degree programs (other than from COM Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
- Students must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td>SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>Math: Suggested MGF 1106 Finite Mathematics or Suggested MGF 1107 Explorations in Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>You may substitute a higher level math with appropriate scores on the Math Placement Exam.</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>STS 1060C Introduction to Computers or SPC 2100C Computer Fundamentals for Business or SPC 2585C Desktop/Internet Publishing or SPC 3175 Computer Applications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Computer Science:</td>
<td>CGS 1060C Introduction to Computers or CGS 2100C Computer Fundamentals for Business or CGS 2585C Desktop/Internet Publishing or CGS 3175 Internet Applications</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

- Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### 3. Core Requirements: Basic Level (3 hrs)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speech</td>
<td>SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations</td>
<td>GEP</td>
</tr>
<tr>
<td>Computer Science:</td>
<td>CGS 1060C Introduction to Computers or CGS 2100C Computer Fundamentals for Business or CGS 2585C Desktop/Internet Publishing or CGS 3175 Internet Applications</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (12 hrs)

#### Select 1:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3011C Communication and Human Relations or COM 3003 Exploring Human Communication</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Take all of the following</td>
<td>9 hrs</td>
<td></td>
</tr>
<tr>
<td>COM 3120 Organizational Communication or COM 3311 Communication Research Methods or SPC 3301 Interpersonal Communication</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (27 hrs)

#### Internal Restricted Electives: 21 hrs

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from the following list:</td>
<td>COM 3003 Exploring Human Communication or COM 3011C Communication and Human Relations or COM 3013 Communication and the Family or COM 3022 Health Communication or COM 3110 Business and Professional Communication or COM 3332 Communication, Technology, and Change or COM 3406 Role of Motivation in Communication or COM 4014 Gender Issues in Communication or COM 4416 Terrorism and Communication or COM 4461 Intercultural Communication or COM 4462 Conflict Management or SPC 3445 Leadership Through Oral Communication or SPC 3513C Argumentation and Debate or SPC 4331 Nonverbal Communication or SPC 4426 Group Dynamics or SPC 4540 Persuasion and Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1:</td>
<td>ENC 3315 Argumentative Writing or ENC 3311 Essay as Cultural Commentary or ENC 3250 Professional Writing or ENC 3314 Writing and Rhetoric Foundations or ENC 3241 Writing for the Technical Professional or Other upper division COM or SPC courses with prior approval of department advisor.</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### External Restricted Electives 6 hrs

- A minimum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the Human Communication area (i.e. Advertising - Public Relations, Journalism, or Radio - Television).

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- Met by graduation requirement.

### Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

### 8. Electives

- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
- All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.

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

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- Human Communication
- Mass Communication

**Advising Notes**
- None

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu

### Freshman Year - Fall
- 13 hrs
  - ENC 1101 Composition I 3 hrs
  - GEP-Math 3 hrs
  - GEP 3 hrs
  - Foreign Language 4 hrs

### Freshman Year - Spring
- 13 hrs
  - ENC 1102 Composition II 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - STA 2014C Principles of Statistics 3 hrs
  - Foreign Language 4 hrs

### Sophomore Year - Fall
- 15 hrs
  - Core-Computer Science 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - Elective (Consider a minor) 3 hrs

### Sophomore Year - Spring
- 15 hrs
  - COM 3311 Communication Research Methods 3 hrs
  - Select 1: 3 hrs
    - COM 3011C Communication and Human Relations or
    - COM 3003 Exploring Human Communication 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - Elective (Consider a minor) 3 hrs

### Junior Year - Fall
- 15 hrs
  - SPC 3301 Interpersonal Communication 3 hrs
  - COM 3120 Organizational Communication 3 hrs
  - Restricted Elective 3 hrs
  - Elective (Consider a minor) 3 hrs
  - GEP 3 hrs

### Junior Year - Spring
- 15 hrs
  - Restricted Elective 3 hrs
  - Elective (Consider a minor) 3 hrs
  - Elective (Consider a minor) 3 hrs
  - GEP 3 hrs

### Senior Year - Fall
- 15 hrs
  - Restricted Elective 3 hrs
  - Elective (Consider a minor) 3 hrs
  - Elective (Consider a minor) 3 hrs

### Senior Year - Summer
- 9 hrs
  - Restricted Elective 3 hrs
  - Elective (Consider a minor) 3 hrs

### Senior Year - Spring
- 10 hrs
  - Restricted Elective 3 hrs
  - Elective (Consider a minor) 4 hrs

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

#### Humanities and Cultural Studies (B.A.)

**Department of Philosophy, Psychology Building, Room: 220**

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

Email: philosophy2@ucf.edu

Phone: 407-823-2273

The B.A. degree in Humanities and Cultural Studies enables students to receive solid foundations in the interdisciplinary study of cultures and meanings. Students study how human cultures have produced meaning in the past and continue to do so, reflect critically on these productions, and learn relevant perspectives and meaningful interpretations that contribute to responsible engagement with the many cultural expressions we encounter today. Students conduct relevant research in the Humanities while developing their own skills of critical evaluation and constructive engagement.

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (9 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)

   **Required**
   - HUM 2210 Humanistic Tradition I or 3 hrs
   - HUM 2230 Humanistic Tradition II 3 hrs

   **Select 1:** 3 hrs
   - PHI 2010 Introduction to Philosophy or 3 hrs
   - REL 2300 World Religions 3 hrs
### C: Mathematical Foundations (6 hrs)
- **Math**
  - Suggested MGF 1106 Finite Mathematics or Statistics 3 hrs
  - Suggested MGF 1107 Explorations in Mathematics or Statistics 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

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

### D: Social Foundations (6 hrs)
- Suggested AMH 2020 U.S. History: 1877-Present
- 3 hrs

### E: Science Foundations (6 hrs)
- 2. Common Program Prerequisites (CPP)
  - None

### 3. Core Requirements: Basic Level (36 hrs)
- UHF 2020 Encountering the Humanities
- GEP

### Select 1
- PHI 2010 Introduction to Philosophy or
- REL 2300 World Religions
- 3 hrs

### Select 1:
- HUM 2210 Humanistic Tradition I or
- HUM 2230 Humanistic Tradition II
- GEP
- GEP

### 4. Core Requirements: Advanced Level (33 hrs)
- **Core Requirements**
- **Humanities Foundations**
  - HUM 3431 Ancient Humanities or
  - HUM 3435 Medieval Humanities or
  - HUM 3455 Modern Humanities or
  - HUM 3452 Contemporary Humanities
  - 3 hrs

### Theories and Methods (12 hrs)
- HUM 3805 Critical Theory in the Humanities or
- HUM 3830 Introduction to Digital Humanities or
- HUM 3326 Theories of Sex and Gender in Humanities
- or
- HUM 4330 Performance Theory or
- HUM 4823 Queer Theory in the Humanities or
- HUM 4826 Postcolonial Theory
- 3 hrs

### Cultural Traditions (6 hrs)
- HUM 3401 Asian Humanities or
- HUM 3423 African Humanities or
- HUM 3460 Latin American Humanities or
- HUM 4459 American Cultural Studies in Humanities
- 3 hrs

### Topics in Cultural Studies (6 hrs)
- HUM 4931 Key Figures in the Humanities & Cultural Studies or
- HUM 4934 Key Concepts in Humanities & Cultural Studies
- 3 hrs

### 5. Restricted Electives
- None

### 6. Capstone Requirements (3 hrs)
- HUM 4933 Senior Research Seminar
- 3 hrs

### 7. Foreign Language Requirements
- **Admissions**
  - Met by graduation requirement
- **Graduation**
  - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

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

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- **Departmental Exit Exam in final semester. Exam may be part of HUM 4933: Humanities Senior Research Seminar**
- **Earn a “C” (2.0) or better in each required course.**
- **To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.**

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

### Total Semester Hours Required
- 120

### Honors In Major
- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major.

### Requirements as follows:
- **a. Core Requirements, Humanities and Cultural Studies, and Capstone**
  - Same requirements as for regular majors

### b. Honors Thesis (6 hrs)
- HUM 4903H Honors Directed Reading I
- HUM 4970H Undergraduate 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
- 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 2 courses of 3000 or 4000 level courses applied to the B.A. in Humanities and Cultural Studies may be simultaneously applied to fulfill another major.

- Earn a “B” (3.0) or better in both of the following:
  - HUM 4903H Honors Directed Reading I
  - HUM 4970H Undergraduate Honors Thesis

### Related Programs
- Philosophy
- Religion and Cultural Studies
- Certificates
- None

### Related Minors
- Digital Humanities
- Philosophy
- Religion and Cultural Studies
- Cognitive Sciences

### Advising Notes
- None

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- None

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)
Industrial Engineering (B.S.I.E.)

College of Engineering and Computer Science

Department of Industrial Engineering and Management Systems, Engineering II, Room: 312

http://www.iems.ucf.edu/
Jacob Lawhon, Jacob.Lawhon@ucf.edu, 407-823-5021
Dr. Luis Rabelo, Luis.Rabelo@ucf.edu
Phone: 407-823-2204

Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements

- Each engineering student is assigned a qualified engineering academic advisor in the department of their 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.
- Students in the Industrial Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP).
- Therefore, any student majoring in Industrial Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Industrial Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Industrial Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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

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

A: Communication Foundations (9 hrs)
- Required EN 1101 Composition I 3 hrs
- Required EN 1102 Composition II 3 hrs
- Preferred SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one course from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Preferred ECO 2013 Principles of Macroeconomics or 3 hrs
  - Preferred ECO 2023 Principles of Microeconomics 3 hrs
- Select one course from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs
- Required PHY 2049C General Physics Using Calculus II 4 hrs

Select 1: 4 hrs
  - CHS 1440 Principles of Chemistry 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs

1 A 2.0 cumulative GPA or better is required for this course.
2 Preferred

2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in this section.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 MAC 2311C Calculus with Analytic Geometry I GEP
2 MAC 2312 Calculus with Analytic Geometry II 4 hrs
3 MAC 2313 Calculus with Analytic Geometry III 4 hrs
4 MAP 2302 Ordinary Differential Equations I 3 hrs
5 PHY 2048C General Physics Using Calculus I GEP
6 PHY 2049C General Physics Using Calculus II 4 hrs
7 EGO 1101 Principles of Chemistry or 4 hrs
8 CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)

Engineering Core: Basic
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (60 hrs)

Courses Required for the Major (60 hrs)

- The Industrial Engineering and Management Systems department requires all students within the major to achieve a “C” (2.0) GPA or better in all courses in this section with a prefix of EIN, EGS, ESI, STA and MAS.

EIN 2002 Introduction to Industrial Engineering and Management Systems 1 hr
STA 3032 Probability and Statistics for Engineers GEP
EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs
ESI 4628 Decision Support Systems for Industrial Engineers 3 hrs
EIN 4243C Human Engineering 3 hrs
EIN 4333 Production and Distribution Systems 3 hrs
EIN 4360 Facilities Planning and Work Design 4 hrs
EIN 4391 Manufacturing Engineering 3 hrs
ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
UCF Degree Programs

<table>
<thead>
<tr>
<th>Plan of Study</th>
<th>(128 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tentative Course Schedule for Entering Freshmen:</strong></td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>12 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGS 1006C Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 1440 Principles of Chemistry</td>
<td>4 hrs</td>
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<tr>
<td><strong>Freshman Year - Spring</strong></td>
<td>12 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 1007C Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2312C Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C General Physics Using Calculus I</td>
<td>4 hrs</td>
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<tr>
<td><strong>Freshman Year - Summer</strong></td>
<td>9 hrs</td>
</tr>
<tr>
<td>COP 3223C Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td></td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Select 1</strong></td>
<td></td>
</tr>
<tr>
<td>SPC 1603C Fundamentals of Technical Presentations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Sophomore Year - Fall</strong></td>
<td>14 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 2002 Introduction to Industrial Engineering and Management Systems</td>
<td>1 hr</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
</tr>
<tr>
<td>EGN 3310 Engineering Analysis-Statics</td>
<td>3 hrs</td>
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<td><strong>Sophomore Year - Spring</strong></td>
<td>13 hrs</td>
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<tr>
<td>MAP 2302 Ordinary Differential Equations I</td>
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<tr>
<td>EGN 3321 Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
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<tr>
<td>MAS 3105 Matrix and Linear Algebra</td>
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<tr>
<td>EIN 3351 Engineering Economic Analysis and Cost Engineering</td>
<td>3 hrs</td>
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<tr>
<td><strong>Sophomore Year - Summer</strong></td>
<td>10 hrs</td>
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<tr>
<td>GEP</td>
<td>6 hrs</td>
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<tr>
<td>PHY 2049C General Physics Using Calculus II</td>
<td>4 hrs</td>
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<tr>
<td><strong>Junior Year - Fall</strong></td>
<td>13 hrs</td>
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<tr>
<td>ESI 4312 Deterministic Methods for Operations Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4628 Decision Support Systems for Industrial Engineers</td>
<td>3 hrs</td>
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<tr>
<td>EGN 3373 Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4360 Facilities Planning for Work Design</td>
<td>4 hrs</td>
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<tr>
<td><strong>Junior Year - Spring</strong></td>
<td>12 hrs</td>
</tr>
<tr>
<td>ESI 4523 Systems Simulation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4333 Production and Distribution Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4243C Human Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4313 Stochastic Methods for Operations Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Junior Year - Summer</strong></td>
<td>9 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3343 Thermodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Senior Year - Fall</strong></td>
<td>12 hrs</td>
</tr>
<tr>
<td>Approved Technical Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4391 Manufacturing Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4234 Quality Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4221 Empirical Methods for Industrial Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Senior Year - Spring</strong></td>
<td>12 hrs</td>
</tr>
<tr>
<td>EIN 4891C Industrial Engineering Senior Design Project</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Approved Technical Elective</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EGS 4824 Engineering Innovation and Leadership</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4517 Systems Engineering</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.

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

8. **Electives** None

9. **Required Minors** None

10. **Required Minors** None

11. **Departmental Exit Requirements** (4 hrs)
    - EIN 4891C Industrial Engineering Senior Design 4 hrs
    - Select 1: 3 hrs

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

12. **University Minimum Exit Requirements**
    - 128
    - Honors In Major None
    - Related Programs
      - Mechanical Engineering Certificates None
    - Related Minors None
    - Advising Notes None
    - Transfer Notes
      - Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
      - 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 area 5. Restricted Electives.
    - Acceptable Substitutes for Transfer Courses None

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

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

Equipment Fees
- Part-Time Student: $38 per term
- Full-Time Student: $77 per term

Information Technology (B.S.)
College of Engineering and Computer Science
Department of Computer Science,
Harris Corp. Engineering Center, Room: 346
http://www.cs.ucf.edu/
Email: undergraduate@cs.ucf.edu
Dr. Ali Orooji
Jenny Shen
Phone: 407-823-2341

Admission Requirements
- None

Degree Requirements
- “C” (2.0) or better required in all prerequisites and courses required for the major.
- 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 Department of EECS at UCF.
- 12 of the 24 Residency hours must be at the 4000-5000 level.
- Students in the Information Technology major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Information Technology who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Information Technology who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Information Technology major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP)
A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
 Prefer SPC 1603C Fundamentals of Technical Presentations or 3 hrs
 Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Required STA 2023 Statistical Methods I 3 hrs
Select 1: 3 hrs
 Suggested MAC 1105C College Algebra or 3 hrs
 Suggested MAC 1140C Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
Required ECO 2013 Principles of Macroeconomics 3 hrs
Required PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2053C College Physics I 4 hrs
Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (15 hrs)
- A “C” (2.0) or better is required in all these courses.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
MAC 1114C College Trigonometry 3 hrs
ECO 2013 Principles of Macroeconomics GEP
PSY 2012 General Psychology GEP
PHY 2053C College Physics I GEP
COP 3223C Introduction to Programming with C 3 hrs
COP 3330 Object Oriented Programming 3 hrs
CGS 2545C Database Concepts 3 hrs
STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
 MAD 2104 Foundations of Discrete Math or 3 hrs
COT 3100C Introduction to Discrete Structures 3 hrs

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level (52 hrs)
- A “C” (2.0) or better is required in all these courses.

Core Requirements (46 hrs)
COP 3502C Computer Science I 3 hrs
CIS 3360 Security in Computing 3 hrs
CAP 3104 Foundations of HCI 3 hrs
CGS 3269 Computer Architecture Concepts 3 hrs
CNT 3004 Computer Network Concepts 3 hrs
CIS 3003 Fundamentals of Information Technology 3 hrs
CIS 4524 Managing IT Integration 3 hrs
CNT 4714 Enterprise Computing 3 hrs
CIS 4004 Web-Based Information Technology 3 hrs
CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs
COP 4910 Frontiers in Information Technology 3 hrs
Phi 3626 Advanced Ethics in Science and Technology 3 hrs
CGS 3763 Operating System Concepts 3 hrs
CNT 4603 System Administration and Maintenance 3 hrs
PHY 2054C College Physics II 4 hrs

Support Courses (6 hrs)
- A “C” (2.0) or better is required in all these courses.
Select 1: 3 hrs
 ENC 4293 Documentation and the Collaborative Process 3 hrs
 ENC 4265 Writing for the Computer Industry or 3 hrs
 ENC 4414 Writing and Hypertext or 3 hrs
 ENC 4415 Digital Rhetorics and The Modern Dialectic or 3 hrs
 ENC 4298 Technical Communication for the Virtual Workplace or 3 hrs
 ENC 4416 Writing in Digital Environments or 3 hrs
 ENC 4262 International Technical Communication or 3 hrs
 ENC 4215 Technical Publication and Project Management 3 hrs

Select 1: 3 hrs
 ENC 3241 Writing for the Technical Professional or 3 hrs
 ENC 3250 Professional Writing 3 hrs

5. Restricted Electives (6 hrs)
- Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs. CGS 4941 can be used as a restricted elective.
- A “C” (2.0) or better is required in all these courses.

6. Capstone Requirements
- None
UCF Degree Programs

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

8. Electives
   ■ Remaining hours needed to meet minimum of 120 hours
   for graduation should be met with Free Electives.

9. Additional Requirements
   ■ An “S” grade is required in all these courses.

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ None

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

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Computer Engineering
■ Computer Science

Certificates
■ None

Related Minors
■ Computer Science
■ Secure Computing and Networks

Advising Notes
■ None

Transfer Notes
■ Grades below “C” (2.0) are not accepted
■ Courses transferred from private and out-of-state
  schools must be evaluated for equivalency credit. The
  student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study

Freshman Year - Fall
   ENC 1101  Composition I  3 hrs
   SPC 1603  Fundamentals of Technical Presentations  3 hrs
   COP 2233C Introduction to Programming with C  3 hrs
   Select 1: 3 hrs
   MAC 1105C College Algebra or 3 hrs
   MAC 1140C Pre-Calculus Algebra  3 hrs

Freshman Year - Spring
   ENC 1102  Composition II  3 hrs
   MAC 1114C College Trigonometry  3 hrs
   COP 3502C Computer Science I  3 hrs
   ECO 2013 Principles of Macroeconomics  3 hrs
   PSY 2012 General Psychology  3 hrs

Sophomore Year - Fall
   MAD 2104 Foundations of Discrete Math  3 hrs
   COP 3330 Object Oriented Programming  3 hrs
   PHY 2053C College Physics I  4 hrs
   CGS 2545C Database Concepts  3 hrs
   GEP  3 hrs

Sophomore Year - Spring
   CIS 3269 Computer Architecture Concepts  3 hrs
   STA 2023 Statistical Methods I  3 hrs
   CIS 3003 Fundamentals of Information Technology  3 hrs
   GEP  3 hrs
   Free Elective  3 hrs
   CIS 3921 Careers in IT  1 hr
   CIS 3990 IT Career and Academic Advising I  0 hrs

Junior Year - Fall
   CAP 3104 Foundations of HCI  3 hrs
   PHY 2054C College Physics II  4 hrs
   CNT 3004 Computer Network Concepts  3 hrs
   CIS 3360 Security in Computing  3 hrs
   Select 1: 3 hrs
   ENC 3241 Writing for the Technical Professional or 3 hrs
   ENC 3250 Professional Writing  3 hrs

Junior Year - Spring
   CIS 4524 Managing IT Integration  3 hrs
   PHI 3626 Advanced Ethics in Science and Technology  3 hrs
   GEP  3 hrs
   CIS 3763 Operating System Concepts  3 hrs
   Select 1: 3 hrs
   ENC 4265 Writing for the Computer Industry or 3 hrs
   ENC 4293 Documentation and the Collaborative Process or 3 hrs
   ENC 4414 Writing and Hypertext or 3 hrs
   ENC 4415 Digital Rhetorics and The Modern Dialectic or 3 hrs
   ENC 4298 Technical Communication for the Virtual Workplace or 3 hrs
   ENC 4416 Writing in Digital Environments or 3 hrs
   ENC 4262 International Technical Communication or 3 hrs
   ENC 4215 Technical Publication and Project Management  3 hrs

Senior Year - Fall
   CNT 4703C Design and Implementation of Computer Network Concepts  3 hrs
   CIS 4004 Web-Based Information Technology  3 hrs
   Restricted Elective  3 hrs
   Free Elective  3 hrs
   CNT 4603 System Administration and Maintenance  3 hrs
   CIS 4991 IT Career and Academic Advising II  0 hrs

Senior Year - Spring
   Restricted Elective  3 hrs
   Free Elective  4 hrs
   COP 4910 Frontiers in Information Technology  3 hrs
   CNT 4714 Enterprise Computing  3 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 Fees
■ Part-Time Student: $23 per term
■ Full-Time Student: $47 per term

Integrated Business (B.S.B.A.)
College of Business Administration
Integrated Business Program,
Business Administration II, Room: 222
http://business.ucf.edu/undergraduate-programs
Phone: 407-823-5627

The Integrated Business (IB) degree is intended to develop a strong business “generalist” who has the ability and capacity to enter
the workforce with a broad understanding of business and strong
analytical, communication, and critical thinking skills. The program
focuses on issues faced by small and medium size, privately held
firms. Not eligible for a double degree or double major with another
College of Business Administration major.
UCF Degree Programs

Admission Requirements

- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of “C” (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Integrated Business must apply for admission to the major.
- A maximum of 6 credit hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Any student receiving a business degree must complete a minimum of 30 of the 60 upper level business credit hours 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 in the Integrated Business major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Integrated Business major and/or College of Business. A student who is dismissed may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students majoring in Integrated Business must earn a grade of “C” (2.0) or better in each course applied towards the major, and a 2.0 or better average in the major.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Prefer: SPC 1098 Fundamentals of Oral Communication
   - B: Cultural & Historical Foundations (9 hrs)
     - Required: CJS 2100C Computer Fundamentals for Business
     - Required: MAC 1105C College Algebra
   - C: Mathematical Foundations (6 hrs)
     - Required: ECO 2013 Principles of Macroeconomics
   - D: Social Foundations (6 hrs)
     - Select 1: 3 hrs
       - Required: ECO 2023 Principles of Microeconomics
     - Select 1: 3 hrs
       - Suggested: PSY 2000 General Psychology
   - E: Science Foundations (6 hrs)
     - Required: ECO 2013 Principles of Macroeconomics
     - Suggested: ANT 2000 General Anthropology
     - Suggested: PSY 2000 General Psychology

2. Common Program Prerequisites (CPP) (18 hrs)
   - Must be completed with a “C” (2.0) or better.
     - ACG 2021 Principles of Financial Accounting
     - ACG 2071 Principles of Managerial Accounting
     - CGS 2100C Computer Fundamentals for Business
     - ECO 2013 Principles of Macroeconomics
     - ECO 2023 Principles of Microeconomics

3. Core Requirements: Basic Level (54 hrs)
   - None

4. Core Requirements: Advanced Level (54 hrs)
   - Primary Core 15 hrs
     - ACG 3173 Accounting for Decision-Makers
     - ECO 3411 Quantitative Business Tools II
     - FIN 3403 Business Finance
     - MAN 3025 Management of Organizations
     - MAR 3023 Marketing
   - Secondary Core 15 hrs
     - GEB 3006 Introduction to Career Development and Financial Planning
     - GEB 3003 Career Research & Planning
     - GEB 3005 Career Search Strategy
     - BUL 3130 Legal and Ethical Environment of Business
     - GEB 3375 Introduction to International Business
     - TAR 3203 Supply Chain and Operations Management
     - GEB 4223 Business Interviewing Techniques
     - GEB 4004 Executing Your Career Plan
   - Required Courses for Major 24 hrs
     - GEB 4522 Data Driven Decision Making
     - GEB 4513 Applied Business Technologies
     - MAN 3302 Essentials of Human Resource Management for Integrated Business
     - GEB 3031 Integrated Business Foundations
     - MAR 3407 Contemporary Selling
     - ENT 4412 Managing Small Business Finances
     - ECP 4703 Managerial Economics
     - MAN 4583 Project Management

5. Restricted Electives (3 hrs)
   - Take one class from the list below.
     - GEB 4941 Internship
     - ENT 3613 Creativity and Entrepreneurship
     - GEB 4104 Small Business Development

6. Capstone Requirements (3 hrs)
   - Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
     - MAN 4720 Strategy Management

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None

8. Electives
   - Variable

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum major GPA and a minimum College of Business GPA of 2.0.
UCF Degree Programs

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Lower division courses 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.
- Any student receiving a business degree must complete a minimum of 30 of the 60 upper level business credit hours 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 in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Cultural Foundation I 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Sophomore Year - Fall
- ACG 2021 Principles of Financial Accounting 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Science 3 hrs
- Historical Foundation I 3 hrs
- Elective 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Historical Foundation II 3 hrs
- Science 3 hrs

Sophomore Year - Summer
- GEB 3006 Introduction to Career Development and Financial Planning 2 hrs

Junior Year - Fall
- ACG 3173 Accounting for Decision-Makers 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- FIN 3403 Business Finance 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- GEB 3003 Career Research & Planning 1 hr

Junior Year - Spring
- GEB 3031 Integrated Business Foundations 3 hrs
- MAN 3302 Essentials of Human Resource Management for Integrated Business 3 hrs
- GEB 4513 Applied Business Technologies 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3005 Career Search Strategy 1 hr

Senior Year - Fall
- GEB 3375 Introduction to International Business 3 hrs
- ENT 4412 Managing Small Business Finances 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- MAR 3407 Contemporary Selling 3 hrs
- GEB 4522 Data Driven Decision Making 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring
- ECP 4703 Managerial Economics 3 hrs
- MAN 4720 Strategic Management 3 hrs
- MAN 4563 Project Management 3 hrs
- GEB 4004 Executing Your Career Plan 1 hr
- IB Restricted Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Interdisciplinary Studies (B.A. / B.S.)
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science. Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser, is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be taken online; however, there are limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide
UCF Degree Programs

graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via online courses. For more information, see http://online.ucf.edu/

Admission Requirements
None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
- Co-op credit cannot be used in this major.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent study or internship will not be counted towards the major.
- Students must earn at least a "C" (2.0) in each core and restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser to enter the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No courses can count in more than one subject area or in a subject area and a minor.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
None

3. Core Requirements: Basic Level (6 hrs)
IDS 3933 Cornerstone Experience 3 hrs
IDS 4934 Capstone Experience 3 hrs

4. Core Requirements: Advanced Level
None

5. Restricted Electives (30 hrs)
- Students must complete two different subject area concentrations from among those specified below.
- Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies adviser and not simply when they appear on a student audit.
- Students are required to take a minimum of 15 UCF hours, as well as 15 upper division hours, in the two areas combined.
- See the Interdisciplinary Studies Advising Team for details regarding each area:
  - Arts
  - Behavioral and Social Sciences
  - Commerce
  - Communication
  - Computational Sciences
  - Education
  - Engineering
  - Health
  - Humanities
  - Letters and Modern Languages
  - Physical Sciences
  - Life/Biomedical Sciences
  - Public Affairs

6. Capstone Requirements
None

7. Foreign Language Requirements

Admissions
- BA: Met by graduation requirement.
- BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
- Note: Students entering without having met the admission requirements must do so in order to graduate.

Graduation
- BA: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
- BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses, with an Interdisciplinary Studies adviser's approval.

9. Additional Requirements
None

10. Required Minors
- Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas.
- Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

11. Departmental Exit Requirements
- A grade of "C" or above (2.0) is required for each course in the core and restricted electives.
- Computer Competency met by completing this major.

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

Total Semester Hours Required
120

Honors In Major
None

Related Programs
- Interdisciplinary Studies - Transnational Gender, Race, and Sexuality Studies Track
- Certificates
None

Related Minors
- Most UCF minors

Advising Notes
None

Transfer Notes
- Lower division courses 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.

Acceptable Substitutes for Transfer Courses
None

Plan of Study
None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/alc/academic_learning_compacts.htm
Interdisciplinary Studies - Transnational Gender, Race, and Sexuality Studies Track (B.A.)

College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom 1, Room: 302
http://is.ucf.edu/
Program in Women’s Studies, Colbourn Hall, Room: 118
http://wgst.cah.ucf.edu/

The Transnational Gender, Race, and Sexuality Studies Track is a broadly based interdisciplinary curriculum that leads to the Bachelor of Arts degree in Interdisciplinary Studies. Students interested in pursuing this B.A. degree should contact the IDS Advising team at is@ucf.edu or 407-823-0144. For the required Minor in Women’s and Gender Studies, students should contact the Women’s Studies Program in the College of Arts and Humanities, Donna.Mercado@ucf.edu at 407-823-6502

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 - Transnational Gender, Race, and Sexuality 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 adviser when entering the degree program and regularly thereafter.
■ Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
■ Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) None
3. Core Requirements: Basic Level (6 hrs)
IDS 3933 Cornerstone Experience 3 hrs
IDS 4934 Capstone Experience 3 hrs
4. Core Requirements: Advanced Level None
5. Restricted Electives (30 hrs)
■ In addition to the required Minor in Women’s and Gender Studies, students must complete 15 hours from the TransGRaS Area and 15 hours from one Interdisciplinary Studies Content Area.
■ Students must take a minimum of 15 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: Transnational Gender, Race, 15 hrs and Sexuality Studies

■ Note: this subject area is available only to Interdisciplinary Studies Transnational Gender, Race, and Sexuality Studies Track majors

Select 3 (9 hrs)
HUM 3328 Theories of Sex and Gender in Humanities 3 hrs or
HUM 4823 Queer Theory in the Humanities or 3 hrs
HUM 4826 Postcolonial Theory or 3 hrs
INR 4065 Women, Gender, and Globalization or 3 hrs
LIT 4233 Postcolonial Theory and Literature or 3 hrs
LIT 4554 Advanced Feminist Theories or 3 hrs
PHM 3123 Feminist Theories or 3 hrs
SYD 3700 Race and Ethnicity or 3 hrs
WST 4415 Global and Transnational Feminism or 3 hrs
HUM 3806 Critical Race Theory 3 hrs
Other courses may be substituted with the approval of the Interdisciplinary Studies Director

Select 2 (6 hrs)
■ any of the above courses in this area not already taken
, or
ANT 3302 Sex, Gender and Culture or 3 hrs
ASH 4304 Women in China or 3 hrs
ENC 4374 Gendered Rhetorics or 3 hrs
JST 3510 Notable Women in Jewish History or 3 hrs
LIT 3823 Hispanic Women Writers or 3 hrs
LIT 3381 Women Writers of Color or 3 hrs
PHI 3629 Family Values or 3 hrs
PHM 3020 Philosophy of Love or 3 hrs
PUP 3314 Minorities in American Politics or 3 hrs
SYD 3800 Sex and Gender in Society or 3 hrs
SYD 4100 Family Trends or 3 hrs
THE 3272 What a Drag: The Art of Transgender in Entertainment or
THE 3383 Taboo Theatre: Sex & Violence on Stage 3 hrs or
THE 3254 Queer Theatre or 3 hrs
WST 3460 Women, Race and Struggle or 3 hrs
Other courses may be substituted with the approval of the Interdisciplinary Studies Director

Second Study Area (from those below) 15 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

6. Capstone Requirements
■ Students take IDS 4934 in their graduating semester.
7. Foreign Language Requirements
Admissions
■ Met by graduation requirement
Graduation
■ Proficiency equivalent to one year of college instruction in either a foreign language 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.
8. Electives
■ Select primarily from upper level courses, with Interdisciplinary Studies advisor’s approval.
9. Additional Requirements
■ None
10. Required Minors
■ Women’s and Gender Studies
11. Departmental 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 departmental assessment, or the following courses:
GGS 1060C Introduction to Computers 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
## UCF Degree Programs

### International and Global Studies (B.A.)

#### College of Sciences

**Department of Political Science,**

Howard Phillips Hall, Room: 302  
[http://politicalscience.cos.ucf.edu](http://politicalscience.cos.ucf.edu)

**Email:** politics@ucf.edu  
Dr. Paul Vasquez  
Phone: 407-823-2608

This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See [http://ucf.edu/online](http://ucf.edu/online) for more information.

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog  
- Co-op or internship credit cannot be used in this major without prior departmental approval  
- Students should consult with a departmental advisor  
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science  
- All prerequisites of courses taught within the College of Sciences will be enforced.  
- Most courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

### Double major/dual degree policy in Political Science programs and minors:

- Students who double major/dual degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:
  - POS 2041 American National Government 3 hrs  
  - POS 3703 Scope and Methods of Political Science 3 hrs  
- Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course:
  - POS 2041 American National Government 3 hrs

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

**A: Communication Foundations** (9 hrs)

| Required | ENC 1101 Composition I | 3 hrs |
| Prefer | ENC 1102 Composition II | 3 hrs |
| Prefer | SPC 1608 Fundamentals of Oral Communication | 3 hrs |

**B: Cultural & Historical Foundations** (9 hrs)

| Prefer | WOH 2012 World Civilization I | 3 hrs |
| Prefer | WOH 2022 World Civilization II | 3 hrs |
| Required | One course from GEP B.2 list | 3 hrs |

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

| Math: | MGF 1107 Explorations in Mathematics or | 3 hrs |
| Prefer | ENC 1101 Composition I | 3 hrs |
| May substitute a higher level math with appropriate scores on the Math Placement Exam. | |

**Statistics:** (3 hrs)

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

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

| Prefer | POS 2041 American National Government | 3 hrs |
| Required | One course from GEP D.2 list | 3 hrs |

**E: Science Foundations** (6 hrs)

**3. Core Requirements: Basic Level** (3 hrs)

| InR 2002 | International Relations-Theory and Practice | 3 hrs |
| POS 2041 | American National Government | GEP |

**4. Core Requirements: Advanced Level** (15 hrs)

| CPO 3103 | Comparative Politics | 3 hrs |
| GEO 3471 | World Political Geography | 3 hrs |
| INR 4008 | Global Perspectives | 3 hrs |
| INR 4603 | International Relations Theory | 3 hrs |
| POS 3703 | Scope and Methods of Political Science | 3 hrs |
| POS 4691 | Exit Exam | 0 hrs |

**5. Restricted Electives** (18 hrs)

- Note: Students must meet all prerequisites before taking these classes.  
- Other courses may be substituted with departmental approval.

#### Regional

- Select from the following listing:
  - CPO 3034 Politics of Developing Areas 3 hrs  
  - CPO 3104 Politics of Western Europe 3 hrs  
  - CPO 3132 Canadian Politics 3 hrs  
  - CPO 3403 Politics of the Middle East 3 hrs  
  - CPO 3614 Politics of Eastern Europe 3 hrs  
  - CPO 4101 Politics of the European Union 3 hrs  
  - CPO 4123 Government and Politics of Great Britain 3 hrs  
  - CPO 4303 Comparative Latin American Politics 3 hrs  
  - CPO 4514 Politics of East Asia 3 hrs  
  - CPO 4541 Chinese Politics 3 hrs  
  - CPO 4553 Politics of Japan 3 hrs  
  - CPO 4643 Government and Politics of Russia 3 hrs  
  - CPO 4710 Women in Comparative Politics 3 hrs  
  - INR 3250 Politics of Pan-Africanism 3 hrs  
  - INR 3253 International Politics of Africa 3 hrs  
  - INR 4224 Contemporary International Politics of Asia 3 hrs  
  - INR 4243 International Politics of Latin America 3 hrs  
  - INR 4274 International Politics of the Middle East 3 hrs
UCF Degree Programs

9. Additional Requirements

- Select from the following listing:
  - CPO 3057 Contemporary Revolution and Political Violence 3 hrs
  - CPO 4062 Comparative Judicial Process 3 hrs
  - CPO 4074 Political Economy 3 hrs
  - CPO 4445 Comparative Political Parties 3 hrs
  - CPO 4731 Politics of Democratization 3 hrs
  - CPO 4754 Comparative Political Institutions 3 hrs
  - CPO 4784 Political and Economic Inequality in Comparative Perspective 3 hrs
  - INR 4794 Indigenous Politics and the Environment 3 hrs
  - INR 3016 Global Political Issues 3 hrs
  - INR 4011 Politics of Globalization 3 hrs
  - INR 4030 Diplomacy 3 hrs
  - INR 4035 International Political Economy 3 hrs
  - INR 4054 Global Politics of Energy 3 hrs
  - INR 4060 Causes of War 3 hrs
  - INR 4063 The Cold War 3 hrs
  - INR 4074 Immigration Policy 3 hrs
  - INR 4075 Human Rights Policy 3 hrs
  - INR 4076 Global Drug Policy 3 hrs
  - INR 4084 Politics of International Terrorism 3 hrs
  - INR 4085 Women, Gender, and Globalization 3 hrs
  - INR 4102 American Foreign Policy 3 hrs
  - INR 4104 Topics and Cases in American Foreign Policy 3 hrs
  - INR 4114 American Security Policy 3 hrs
  - INR 4115 Strategic Weapons and Arms Control 3 hrs
  - INR 4225 The Vietnam War 3 hrs
  - INR 4304 Issues in International Public Policy 3 hrs
  - INR 4335 Coercion in International Politics 3 hrs
  - INR 4350 Global Environmental Politics 3 hrs
  - INR 4351 International Environmental Law 3 hrs
  - INR 4363 Intelligence Analysis and Reporting 3 hrs
  - INR 4364 The Intelligence Community 3 hrs
  - INR 4401 International Law 3 hrs
  - INR 4404 Space Law 3 hrs
  - INR 4502 International Organizations 3 hrs
  - INR 4714 Politics of International Trade Policy 3 hrs
  - INR 4744 Militaries in World Politics 3 hrs
  - INR 4764 Cyberwarfare Policy 3 hrs
  - INR 4765 Emerging Space Powers 3 hrs
  - INR 4774 Military Space Policy 3 hrs
  - INR 4941 Internship 3 hrs
  - POS 3733 Designing Political Science Research 3 hrs
  - PUP 4503 Government and Science 3 hrs
  - PUP 4510 Space Policy 3 hrs
  - ECON 4010 microeconomics 3 hrs
  - ECON 4020 macroeconomics 3 hrs
  - ECON 4401 International Economics 3 hrs

10. Required Minors

- No more than one course may be used to fulfill both this major 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, Latin American Studies, or Spanish.

- Note: The International Business Minor is only available to Business majors.

- Other minors may be substituted with the program coordinator’s approval.
- Aerospace Studies
- Anthropology in Multicultural Studies
- Asian Studies
- Diplomacy
- Diversity and Social Inequality
- Economics
- Economic Policy
- European Studies
- French
- Global Peace and Security Studies
- Human Communication
- Intelligence and National Security
- International Business
- Italian
- Latin American Area Studies
- Middle Eastern Studies
- Military Science
- Russian Studies
- Spanish
- Terrorism Studies
- World Comparative Studies

11. Departmental Exit Requirements

- Students must maintain a minimum cumulative GPA of 2.0 in all courses taken in the major. If additional major courses are taken beyond the minimum required (e.g., additional restricted electives), those courses will be included in the GPA calculation.
- Complete the Educational Testing Service Field Exam in Political Science during the student’s graduating semester while enrolled in the 0 credit Exit Exam course.

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors In Major

- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs

- Anthropology
- Economics
- History

Certificates

- Diplomacy
- Intelligence and National Security

Related Minors

- Anthropology
- Anthropology in Multicultural Studies
- Diversity and Social Inequality
- Economics

UNIVERSITY OF CENTRAL FLORIDA

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# UCF Degree Programs

- European Studies
- Global Peace and Security Studies
- History
- Philosophy
- Psychology
- Sociology
- Terrorism Studies

## Advising Notes
- None

## Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses
- None

## Plan of Study (120 hrs)
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test at http://ultc.sdes.ucf.edu

## Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
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<td>POS 2041</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
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</table>

## Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3</td>
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<tr>
<td>Foreign Language</td>
<td></td>
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<tr>
<td>GEP</td>
<td></td>
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</table>

## Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 3703</td>
<td>Scope and Methods of Political Science</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3471</td>
<td>World Political Geography</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Relations-Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>GEP - Math</td>
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</table>

## Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 3103</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>INR 4008</td>
<td>Global Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>INR 4603</td>
<td>International Relations Theory</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
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## Sophomore Year - Summer

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>GEP</td>
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## Junior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elective / Minor</td>
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<td>3</td>
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<tr>
<td>Free Elective</td>
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## Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elective / Minor</td>
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<td>3</td>
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<td>Elective / Minor</td>
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<td>3</td>
</tr>
<tr>
<td>Free Elective</td>
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## Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Restricted Elective</td>
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</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td></td>
<td>3</td>
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<tr>
<td>Elective / Minor</td>
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<tr>
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**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective / Minor</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Free Elective</td>
<td></td>
<td>3</td>
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</tbody>
</table>

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

## Equipment Fees
- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

## Journalism (B.A.)

### College of Sciences

Nicholson School of Communication, NSC, Room: 143

http://communication.cos.ucf.edu

**Email:** journalism@ucf.edu

Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu

Phone: 407-823-2681

### Admission Requirements
- The Journalism program is a limited access program that requires a separate application.
- Students should apply to become Journalism majors only after completing all requirements for admission.
- Admission is based on multiple factors, not strictly GPA.
- Attain an overall minimum 2.5 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission because students are admitted on a space available basis.
- See a NSC advisor for additional admission criteria.
- Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF’s Testing Center unless they have AP or IB credit in English or an “A-” or better in both of the following courses:
  - ENC 1101 Composition I 3 hrs
  - ENC 1102 Composition II 3 hrs

### Application Deadlines:
- October 1 to be admitted the next spring term
- February 1 to be admitted the next summer term
- June 1 to be admitted the next fall term

### Degree Requirements
- Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.
- The Journalism faculty strongly recommend that majors work for a student news outlet.
- Journalism majors may obtain an off-campus internship with a news organization.
- 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 hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.
- Of the 120 hours required for graduation, a minimum of 72 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
UCF Degree Programs

- Of these 72 hours, 56 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 72 hour minimum rule, no more than 48 (or 51 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Journalism majors must select their required minor or area of concentration from outside the Nicholson School of Communication to remain below the 48 credit hour school maximum.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

- Composition: Complete both courses. 6 hrs
  - Required ENC 1101 Composition I and
  - Required ENC 1102 Composition II

- Speech: Select one of the following. 3 hrs
  - Required SPC 1608 Fundamentals of Oral Communication or
  - Suggested SPC 1603C Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)

- Group 1: Select a course from group 1. 3 hrs
  - Preferred AMH 2010 U.S. History: 1492-1877

- Group 2: Select a course from group 2. 3 hrs

- Group 3: Select a third course from either group 1 or 2.

C: Mathematical Foundations (6 hrs)

- Statistics-Computers:
  - Required CGS 1060C Introduction to Computers or
  - Required STA 2014C Principles of Statistics

- Math:
  - Required MGF 1101 Finite Mathematics or
  - Required MGF 1107 Explorations in Mathematics

- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)

- Group 1: 3 hrs
  - Preferred POS 2041 American National Government

- Group 2: Select a listed course 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

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

Complete one of the following:

- SPC 1608 Fundamentals of Oral Communication or GEP
- SPC 1603C Fundamentals of Technical Presentations GEP

3. Core Requirements: Basic Level (15 hrs)

- Grammar Proficiency must be satisfied before enrolling in JOU 2100C.
- These courses may be completed before acceptance into the program.

- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:

Core: Required, satisfies the CPP

- SPC 1608 Fundamentals of Oral Communication or GEP
- SPC 1603C Fundamentals of Technical Presentations GEP

Core 15 hrs

- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.

- These courses may be completed either before or after acceptance into the program.

- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.

Select 1:

- MMC 4300 International Media or
- MMC 4303 Hispanics in Media in the US or
- Any Nicholson School advisor approved upper-division 3 hrs
- Study Abroad course

5. Restricted Electives (19 hrs)

- These courses can only be completed after acceptance into the program.

- (NOTE: May NOT use courses in your core track as an elective; students must use a different course if they have already taken one listed as a requirement in their track).
- All prerequisites of courses will be enforced.
- Courses taken from Group A and Group B must total 9 hours.

Electronic News: Select the following: 10 hrs

- RTV 3301 Electronic Journalism I
- RTV 3304 Electronic Journalism II
- RTV 3321 Electronic News Gathering

Digital News: Select the following: 10 hrs

- JOU 3101 Advanced Reporting
- RTV 3321 Electronic News Gathering

Select 1:

- JOU 4340C Online Journalism I or
- JOU 4342C Multimedia Journalism

Group A: Select from the following: 6 hrs

- JOU 3320 News Producing
- RTV 3301 Electronic Journalism I
- RTV 3304 Electronic Journalism II
- RTV 4591C Webcasting I
- RTV 4681C Television News
- JOU 3951 Knightly Latino: Spanish Language News
- JOU 3101 Advanced Reporting
- JOU 3130 In-Depth Reporting
- JOU 3184C Metro Reporting
- JOU 3201 Editing I
- JOU 3202 Editing II
- JOU 3310 Social Media Writing for Magazines
- JOU 3313C Sports Reporting
- JOU 3510 Magazine Publishing
- JOU 4340C Online Journalism I
- JOU 4181 Public Affairs Reporting
- JOU 4213C Page Design
- JOU 4300 Feature Writing
- JOU 4306C Critical Writing
- JOU 4308 Freelance Writing
- JOU 4342C Multimedia Journalism
- JOU 4447 Magazine Editing and Production
- PGER 3610C Photomedia I
- PGER 3620C Photomedia II
- JOU 4941 Internship 1 hr

1 May be taken for a maximum of 3 hours.
## UCF Degree Programs

### Group B: Select from the following: 3 hrs
- JOU 3301 Journalism Readings 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- MMC 4263 New Media Technologies 3 hrs
- MMC 4300 International Media 3 hrs
- MMC 4602 Contemporary Media Issues 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- RTV 3511 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs
- RTV 4505 Program Issues for TV & Motion Pictures 3 hrs
- RTV 4700 Regulation of Broadcasting 3 hrs
- RTV 4800 Broadcast Management 3 hrs
- JOU 4941 Internship 1 hr

### 1. May be taken for a maximum of 3 hours
- Internships must be approved in advance by the Journalism Area Coordinator.

### 6. Capstone Requirements (4 hrs)
- Electronic News: 4 hrs
  - RTV 4681C Television News 4 hrs
- Digital News: 4 hrs
  - JOU 4950 Senior Capstone in Journalism 4 hrs

### 7. Foreign Language Requirements
- Met by graduation requirement
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

### 8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the Nicholson School of Communication in order to not exceed the 41 credit hour cap. The majority of electives should be taken in the Liberal Arts and Sciences to comply with the 56 hour Liberal Arts requirement.
- None

### 9. Additional Requirements
- Internships must be approved in advance by the Journalism Area Coordinator.

### 10. Required Minors
- Journalism majors must complete an 18 hour minor in an academic area outside of the Nicholson School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Area Coordinator.
- The minor or area of concentration must be from outside of the Nicholson School of Communication in order to not exceed the 41 credit hour cap.

### 11. Departmental Exit Requirements
- Acceptance of portfolio by faculty.
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
- All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).

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

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- English - Creative Writing
- English - Technical Communication

### Certificates
- None

### Related Minors
- NOTE: Minors taught within the Nicholson School of Communication are not open to Journalism majors.
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- Writing and Rhetoric
- History
- Magazine Journalism
- Political Science
- Sociology

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

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- GEP-Stat or CS 3 hrs
- Foreign Language 4 hrs

### Sophomore Year - Fall
- MMC 2004 Mass Media 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs

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UNIVERSITY OF CENTRAL FLORIDA

255 Undergraduate Catalog 2017-2018
### UCF Degree Programs

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>15 hrs</th>
</tr>
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<tbody>
<tr>
<td>Apply for admission by Feb 1</td>
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<tr>
<td>JOU 2100C News Reporting 3 hrs</td>
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<td>GEP 3 hrs</td>
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<tr>
<td>GEP 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Elective-Minor 3 hrs</td>
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<table>
<thead>
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<th>16 hrs</th>
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<tbody>
<tr>
<td>If admitted, take...</td>
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</tr>
<tr>
<td>JOU 3004 History of American Journalism 3 hrs</td>
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</tr>
<tr>
<td>MMC 3200 Mass Communication Law 3 hrs</td>
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<tr>
<td>RTV 3321 Electronic News Gathering 4 hrs</td>
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<td>Elective-Minor 3 hrs</td>
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</tr>
<tr>
<td>Elective-take outside of NSC 3 hrs</td>
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<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
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</thead>
<tbody>
<tr>
<td>JOU 3015 Principles of Journalism 3 hrs</td>
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</table>

#### Select 1: |
- MMC 4300 International Media or 3 hrs
- MMC 4303 Hispanics in Media in the US 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs

<table>
<thead>
<tr>
<th>Junior Year - Summer</th>
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<tbody>
<tr>
<td>Restricted Elective-internship 3 hrs</td>
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<tr>
<td>Elective-take outside of NSC 3 hrs</td>
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<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>Submit Journalism Portfolio</td>
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</tr>
<tr>
<td>Restricted Elective 3 hrs</td>
<td></td>
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<tr>
<td>Elective-Minor 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Elective-Minor 3 hrs</td>
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</tr>
<tr>
<td>Elective-take outside of NSC 3 hrs</td>
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<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>12 hrs</th>
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<tbody>
<tr>
<td>Capstone 4 hrs</td>
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<tr>
<td>Elective-take outside of NSC 2 hrs</td>
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</tr>
<tr>
<td>Elective 3 hrs</td>
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</table>

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

#### Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term

### Latin American Studies (B.A.)

#### College of Arts and Humanities

#### Latin American Studies, Colbourn Hall, Room: 122

Dr. Consuelo Stebbins, Director, stebbins@ucf.edu

Donna Mercado, Advisor, Donna.Mercado@ucf.edu

Phone: 407-823-1173

#### 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 previous approval by the program director.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with the program director or advisor.
- Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
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<tbody>
<tr>
<td>Required ENC 1101 Composition I 3 hrs</td>
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</tr>
<tr>
<td>Required ENC 1102 Composition II 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer COM 1000 Introduction to Communication 3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
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<tbody>
<tr>
<td>Suggested HUM 2020 Encountering the Humanities 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Suggested ARH 2050 History of Western Art I 3 hrs</td>
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</tr>
<tr>
<td>Select additional course from B.1 3 hrs</td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Prefer MGF 1107 Explorations in Mathematics 3 hrs</td>
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</tr>
<tr>
<td>Select one course from C.2 3 hrs</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer ANT 2000 General Anthropology 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present 3 hrs</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1 course from group E.1 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer ANT 2511 The Human Species 3 hrs</td>
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</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP)
- None

#### 3. Core Requirements: Basic Level | (3 hrs) |
| LAS 3002 Topics in Latin American Studies |

#### 4. Core Requirements: Advanced Level | (9 hrs) |
| LAH 3200 Modern Latin America 3 hrs |
| LAH 3101 Latin American Popular Culture 3 hrs |
| LAH 4023 African Caribbean Experience 3 hrs |

#### 5. Restricted Electives | (24 hrs) |
- Select no more than nine (9) credit hours of courses within the same department.
- Note that this is not an exhaustive list of course options. Other courses with a focus on either Latin America or the Caribbean can be accepted with prior written authorization from the Program Director.

#### Anthropology

| ANT 3160 Americas Before Columbus 3 hrs |
| ANT 3161 Ancient Mexico: Aztec to Zapotec 3 hrs |
| ANT 3163 Mesoamerican Archaeology 3 hrs |
| ANT 3164 Ancient Incas 3 hrs |
| ANT 3165 Archaeology of South America 3 hrs |
| ANT 3168 Maya Archaeology 3 hrs |
| ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs |
| ANT 3330 Anthropology of the Amazon 3 hrs |
| ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs |
| ANT 4340 Caribbean Cultures 3 hrs |
| ANT 3177 Archaeology of Caribbean Piracy 3 hrs |
| ANT 4332 People and Cultures of Latin America 3 hrs |

#### History

| LAH 3130 Latin American History I 3 hrs |
| LAH 3400 History of Mexico and Central America 3 hrs |
| LAH 3470 History of the Caribbean 3 hrs |
| LAH 4136 Colonial Florida 3 hrs |
| LAH 4512 Modern Argentina 3 hrs |
| LAH 4481 History of Puerto Rico 3 hrs |
| LAH 4480 History of Cuba 3 hrs |
| LAH 4780 Poverty and Development in Latin America 3 hrs |

#### Art History

| ARH 2051 History of Western Art II 3 hrs |
| ARH 3670 20th Century Latin American Art 3 hrs |
| ARH 3674 Latin American Popular Visual Culture 3 hrs |
| ARH 4653 Meso American Art 3 hrs |

#### English

| AML 3615 Harlem, Haiti, and Havana 3 hrs |
| AML 3682 Ethnic Literature in America 3 hrs |
| AML 4630 Latino/Latina Literature 3 hrs |
| LIT 3192 Caribbean Literature 3 hrs |
| LIT 3381 Women Writers of Color 3 hrs |
| LIT 3823 Hispanic Women Writers 3 hrs |
| LIT 3368 Magical Realism in Literature 3 hrs |
**UCF Degree Programs**

### Humanities
- HUM 3460 Latin American Humanities 3 hrs

### Latin American Geography and Culture
- GEA 4405 Geography of Latin America 3 hrs
- GEA 3403 Human Geography of Latin America 3 hrs
- GEA 3404 Migration Trends in Latin America 3 hrs
- GEA 3455 Geography of Brazil 3 hrs
- LAS 3220 Brazilian Culture 3 hrs

### Politics
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3103 Comparative Politics 3 hrs
- CPO 4074 Political Economy 3 hrs
- CPO 4794 Indigenous Politics and the Environment 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs
- INR 4074 Immigration Policy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4243 International Politics of Latin America 3 hrs
- POS 4074 Latino Politics 3 hrs
- PUB 3314 Minorities in American Politics 3 hrs

### Modern Languages and Literature
- Students can choose from the extensive listing of 3000-4000 of upper level Spanish, French, and/or Portuguese (SPN, SPW, SPT, FRE, and/or POR, POW prefixes) courses offered by the Modern Languages Department. The student should give preference to those courses related to Latin American culture and civilization.

### Communication
- MMC 4303 Hispanics in Media in the US 3 hrs
- JOU 3951 Knightly Latin: Spanish Language News 3 hrs

### 6. Capstone Requirements (3 hrs)
- Select 1
  - LAS 4910 LAS Capstone 3 hrs
  - LAS 4949 Cooperative Education 3 hrs
  - LAS 4955 Study Abroad 3 hrs

### 7. Foreign Language Requirements

#### Admissions
- Foreign Language Requirement: (0 - 11 hrs)
- LAS majors will have a proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures. Spanish or Portuguese preferred, although other Latin American languages may be acceptable with prior written consent of the LAS program director. Standardized examinations for foreign languages may be used to meet the requirement.

### Graduation
- None

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

### 9. Additional Requirements
- None

### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- None

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

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**UNIVERSITY OF CENTRAL FLORIDA**

257 Undergraduate Catalog 2017-2018
Sophomore Year - Spring
- ARH 2050 History of Western Art I (3 hrs)
- GEP Course in Cultural & Historical Foundations From B.1 (3 hrs)
- GEP Course in Science Foundation (3 hrs)
- LAS 3002 Topics in Latin American Studies (3 hrs)

Sophomore Year - Summer
- LAS 3905 Study Abroad (1 hr)
- Elective (3 hrs)

Junior Year - Fall
- LAS 4023 African Caribbean Experience (3 hrs)
- Elective (3 hrs)
- Elective (3 hrs)
- Elective (3 hrs)

Junior Year - Spring
- LAH 3200 Modern Latin America (3 hrs)
- LAS 3101 Latin American Popular Culture (3 hrs)
- Elective (3 hrs)
- Elective (3 hrs)
- Elective (3 hrs)
- Elective (3 hrs)

Junior Year - Summer
- Elective (3 hrs)
- Elective (3 hrs)

Senior Year - Fall
- Course in Minor (3 hrs)
- Course in Minor (3 hrs)
- Elective (3 hrs)
- Elective (3 hrs)

Senior Year - Spring
- Course in Minor (3 hrs)
- Course in Minor (3 hrs)
- Elective (3 hrs)
- Elective (3 hrs)
- Capstone Course (3 hrs)

Senior Year - Summer
- Elective (3 hrs)
- Elective (3 hrs)

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

Legal Studies (B.A. / B.S.)
Department of Legal Studies,
Health and Public Affairs, Room: 343
https://www.cohpa.ucf.edu/legalstudies/
Email: legalstudies@ucf.edu
Dr. Margarita Koblasz, Program Coordinator,
Margarita.Koblasz@ucf.edu, 407-823-1670
Rupert Neish II, Program Academic Advisor
Dr. Marc Consalo, Internship Coordinator,
Marc.Consalo@ucf.edu, 407-823-2970
Phone: 407-823-1670

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies. Students who complete the Legal Studies degree are eligible to apply for The Florida Bar Registered Paralegal designation or to sit for the national paralegal certification exams.

U N I V E R S I T Y O F C E N T R A L F L O R I D A

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 College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in section 1 below may be taken at a Florida College System institution, 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 (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I (3 hrs)
- Required ENC 1102 Composition II (3 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP)
- None
3. Core Requirements: Basic Level
- None
4. Core Requirements: Advanced Level (18 hrs)
- All core requirements must be completed with a minimum grade of “C” (2.0) to satisfy the major.
- PLA 3014 Law and the Legal System (3 hrs)
- PLA 3108 Legal Research (3 hrs)
- PLA 3155 Legal Writing (3 hrs)
- PLA 3205 Civil Practice and Procedure (3 hrs)
- PLA 3615 Property and Real Estate Law (3 hrs)
- PLA 4703 Professional Ethics and Liability (3 hrs)
5. Restricted Electives (30 hrs)
Upper Division Restricted Electives 21 hrs
- 21 additional hours of Legal Studies coursework selected in consultation with an advisor.
Supporting Courses 9 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.
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:
  - A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student’s advisor.
6. Capstone Requirements (3 hrs)
- Capstone must be completed with a minimum grade of “C” (2.0) to satisfy the major.
- PLA 4935 Capstone: Legal Issues (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.
UCF Degree Programs

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes (ASL I, II and III).

8. Electives
- If students chose the following electives, they must complete them with a minimum grade of a “C” (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.
- Second Bachelor’s degree students must complete a minimum of 30 credit hours of Legal Studies (PLA) coursework after being admitted as a second degree seeking student.

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

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with their faculty advisor.

Related Programs
- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology
- Business Administration

Certificates
- Public and Professional Writing

Related Minors
- Business
- Criminal Justice
- Crime, Law, and Deviance
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- GEP Math 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- GEP Social 3 hrs
- GEP Science 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- GEP Math 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs
- GEP Cultural 3 hrs

Sophomore Year - Fall
- GEP Communication 3 hrs
- Free Elective 3 hrs
- GEP Science 3 hrs
- GEP Historical 3 hrs
- Foreign Language I or BS option 4 hrs

Sophomore Year - Spring
- PLA 3014 Law and the Legal System 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs
- GEP Historical 3 hrs
- Foreign Language II or BS option 4 hrs

Junior Year - Fall
- PLA 3108 Legal Research 3 hrs
- PLA 3205 Civil Practice and Procedure 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Spring
- PLA 3155 Legal Writing 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

Senior Year - Fall
- PLA 3615 Property and Real Estate Law 3 hrs
- PLA 4703 Professional Ethics and Liability 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Internship or Restricted Elective 3 hrs

Senior Year - Spring
- PLA 4935 Capstone: Legal Issues 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Internship or Restricted Elective 3 hrs

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

Management (B.S.B.A.)
College of Business Administration
Department of Management,
Business Administration I, Room: 309
http://business.ucf.edu/undergraduate-programs
Phone: 407-823-5569

The management major combines theory and application, with a focus on problem solving, group projects, and case analysis. The curriculum prepares students for leadership roles in a variety of organizations, including: large and small, public and private, for profit and non-for-profit. The program can also accommodate students who wish to embark on their own entrepreneurial ventures. Students majoring in management should possess strong quantitative skills, enjoy problem solving, and embrace working with people. 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 College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least “B” (3.0) in MAN 3025, and no grade below a “C” (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.
1. UCF General Education Program (GEP) (36 hrs)

   A: Communication Foundations (9 hrs)
       Prefer SPC 1608 Fundamentals of Oral Communication

   B: Cultural & Historical Foundations (9 hrs)
       Required CGS 2100C Computer Fundamentals for Business
       Required MAC 1105C College Algebra

   C: Mathematical Foundations (6 hrs)
       Required MAC 2311 and MAC 2312

   D: Social Foundations (6 hrs)
       Select 1: 3 hrs
           Prefer ECO 2013 Principles of Macroeconomics
           Prefer ECO 2023 Principles of Microeconomics
       Select 1: 3 hrs
           Suggested ANT 2000 General Anthropology or
           Suggested PSY 2012 General Psychology or
           Suggested SYG 2000 Introduction to Sociology

   E: Science Foundations (6 hrs)
       2. Common Program Prerequisites (CPP) (18 hrs)
           Must be completed with a "C" 2.0 or better
           ACG 2021 Principles of Financial Accounting
           ACG 2071 Principles of Managerial Accounting
           CGS 2100C Computer Fundamentals for Business
           ECO 2013 Principles of Macroeconomics
           ECO 2023 Principles of Microeconomics

Select one of the following sequences of courses:
- Students who have not completed MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401.
- ECO 3401 Quantitative Business Tools I 3 hrs
- STA 2023 Statistical Methods I 3 hrs

1. or MAC 2311 and MAC 2312

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level (45 hrs)

   Primary Core 15 hrs
       ACG 3173 Accounting for Decision-Makers 3 hrs
       ECO 3411 Quantitative Business Tools II 3 hrs
       FIN 3403 Business Finance 3 hrs
       MAN 3025 Management of Organizations 3 hrs
       MAR 3023 Marketing 3 hrs

   Secondary Core 15 hrs
       GEB 3006 Introduction to Career Development and Financial Planning 2 hrs
       GEB 3003 Career Research & Planning 1 hr
       GEB 3005 Career Search Strategy 1 hr
       BUL 3130 Legal and Ethical Environment of Business 3 hrs
       GEB 3375 Introduction to International Business 3 hrs
       MAR 3023 Supply Chain and Operations Management 3 hrs
       GEB 4223 Business Interviewing Techniques 1 hr
       GEB 4004 Executing Your Career Plan 1 hr

   Required Courses for Major 15 hrs
       MAN 3530 Performance Management 3 hrs
       MAN 4143 Leadership Development 3 hrs
       MAN 4240 Organizations: Theory and Behavior 3 hrs
       MAN 4441 Conflict Resolution and Negotiation 3 hrs
       MAN 4046 Teamwork, Collaboration, and Group Dynamics 3 hrs

5. Restricted Electives (12 hrs)

   Restricted Elective Courses 9 hrs
       Select 3: 9 hrs

   6. Capstone Requirements (3 hrs)
       Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
       MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.
UCF Degree Programs

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

Total Semester Hours Required
   ■ 120

Honors In Major
   ■ Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
   ■ Admission: Application for admission to the Honors in the Major program must be approved by both the Chair of the Management Department 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 two honors courses (total of 6 credit hours) as follows:

Honors in Major Credit Requirements 6 hrs
   ■ Required Honors Reading Course 3 hrs
      MAN 4903H Honors Directed Reading I or 3 hrs
      MAN 4904H Honors Directed Reading II 3 hrs
   ■ Required Honors Thesis 3 hrs
      MAN 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
   ■ None
   ■ Certificates
   ■ None

Related Minors
   ■ None

Advising Notes
   ■ Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
   ■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
   ■ Lower division courses 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.
   ■ Any student receiving a business degree must complete a minimum of 30 of the 60 upper level business credit hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
   ■ None

Plan of Study
   ■ General electives as required to earn 120 credit hours.

Freshman Year - Fall 15 hrs
   ENC 1101 Composition I 3 hrs
   MAC 1105C College Algebra 3 hrs
   ECO 2013 Principles of Macroeconomics 3 hrs
   Cultural Foundation I 3 hrs
   Elective 3 hrs

Freshman Year - Spring 15 hrs
   ENC 1102 Composition II 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs
   Social Foundation 3 hrs
   Elective 3 hrs
   Elective 3 hrs

Sophomore Year - Fall 15 hrs
   ACG 2071 Principles of Financial Accounting 3 hrs
   ECO 3401 Quantitative Business Tools I 3 hrs
   CGS 2100C Computer Fundamentals for Business 3 hrs
   Historical Foundation II 3 hrs
   Science 3 hrs

Sophomore Year - Spring 15 hrs
   ACG 271 Principles of Managerial Accounting 3 hrs
   ECO 3401 Quantitative Business Tools II 3 hrs
   ECO 3401 Quantitative Business Tools I 3 hrs
   ECO 3401 Quantitative Business Tools II 3 hrs
   Elective 3 hrs
   Elective 3 hrs

Junior Year - Fall 16 hrs
   ACG 3173 Accounting for Decision-Makers 3 hrs
   ECO 3411 Quantitative Business Tools II 3 hrs
   MAN 3025 Management of Organizations 3 hrs
   MAR 3023 Marketing 3 hrs
   FIN 3403 Business Finance 3 hrs
   GEB 3003 Career Research & Planning 1 hr

Junior Year - Spring 13 hrs
   MAN 4240 Organizations: Theory and Behavior 3 hrs
   MAN 4441 Conflict Resolution and Negotiation 3 hrs
   GEB 3005 Career Search Strategy 1 hr
   GEB 3375 Introduction to International Business 3 hrs
   MAN Elective 3 hrs

Senior Year - Fall 16 hrs
   MAN 4350 Performance Management 3 hrs
   MAN 4143 Leadership Development 3 hrs
   BUL 3130 Legal and Ethical Environment of Business 3 hrs
   GEB 4223 Business Interviewing Techniques 1 hr
   MAN elective 3 hrs
   Business Elective 3 hrs

Senior Year - Spring 13 hrs
   MAN 4046 Teamwork, Collaboration, and Group Dynamics 3 hrs
   MAR 3203 Supply Chain and Operations Management 3 hrs
   MAN 4720 Strategic Management 3 hrs
   GEB 4004 Executing Your Career Plan 1 hr
   MAN Elective 3 hrs

Program Academic Learning Compacts
   ■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alcalcademic_learning_compacts.htm

Equipment Fees
   ■ Part-Time Student: $15 per term
   ■ Full-Time Student: $30 per term
## Marketing (B.S.B.A.)
**College of Business Administration**
**Department of Marketing, Business Administration II, Room: 307S**
Phone: 407-823-2108

Students interested in majoring in marketing have two options: the marketing management track or the professional selling track. The marketing management track provides students with the knowledge and skills necessary to excel in entry-level positions in marketing management, product/brand management, or positions in retail, sales, market research, or promotion. The professional selling track prepares students for positions in B-B selling, with the potential to advance into either sales management or marketing management. 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 College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACS B accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least “B” (3.0) in MAR 3023, and no grade below a “C” (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Marketing must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 60 upper level business credit hours 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.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Marketing major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Marketing courses and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF.

Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term, the student will be dropped as a Marketing major and/or College of Business student. A student who is dropped may seek readmittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.

### Degree Programs

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

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>Required CGS 2100C Computer Fundamentals for Business</td>
</tr>
<tr>
<td></td>
<td>Required MAC 1105C College Algebra</td>
</tr>
</tbody>
</table>

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

- Must be completed with a “C” (2.0) or better

<table>
<thead>
<tr>
<th>ACG 2021 Principles of Financial Accounting</th>
<th>ACG 2071 Principles of Managerial Accounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2100C Computer Fundamentals for Business</td>
<td>ECO 2013 Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td></td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level

- None

#### 4. Core Requirements: Advanced Level (57 hrs)

<table>
<thead>
<tr>
<th>Primary Core (15 hrs)</th>
<th>Secondary Core (15 hrs)</th>
<th>Required Courses for Major (24 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 3173 Accounting for Decision-Makers</td>
<td>GEB 3006 Introduction to Career Development and Financial Planning</td>
<td>MAR 3361 Professional Selling</td>
</tr>
<tr>
<td>ECO 3411 Quantitative Business Tools II</td>
<td>GEB 3003 Career Research &amp; Planning</td>
<td>MAR 3503 Consumer Behavior</td>
</tr>
<tr>
<td>FIN 3403 Business Finance</td>
<td>GEB 3005 Career Search Strategy</td>
<td>MAR 3613 Marketing Research</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
<td>BUL 3130 Legal and Ethical Environment of Business</td>
<td>MAR 3615 Marketing Analysis</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td>GEB 3223 Business Interviewing Techniques</td>
<td>MAR 3721 Digital Media Marketing</td>
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<td>GEB 4004 Executing Your Career Plan</td>
<td>MAR 4804 Marketing Strategy</td>
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<td></td>
<td></td>
<td>MAR 4418 Strategic Sales Force Management</td>
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<td></td>
<td></td>
<td>MAR 4832 Product Management</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select one of the following sequences of courses:</th>
<th>1 Or MAC 2311 and MAC 2312</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students who have not completed both MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.</td>
<td></td>
</tr>
<tr>
<td>ECO 3401 Quantitative Business Tools I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>STA 2023 Statistical Methods I</td>
</tr>
<tr>
<td>ECO 3401 with a “C” (2.0) or better must take ECO 3401.</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3401 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3401 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I</td>
</tr>
<tr>
<td>or</td>
<td>STA 2023 Statistical Methods I</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level

- None

#### 4. Core Requirements: Advanced Level (57 hrs)

<table>
<thead>
<tr>
<th>Primary Core (15 hrs)</th>
<th>Secondary Core (15 hrs)</th>
<th>Required Courses for Major (24 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 3173 Accounting for Decision-Makers</td>
<td>GEB 3006 Introduction to Career Development and Financial Planning</td>
<td>MAR 3361 Professional Selling</td>
</tr>
<tr>
<td>ECO 3411 Quantitative Business Tools II</td>
<td>GEB 3003 Career Research &amp; Planning</td>
<td>MAR 3503 Consumer Behavior</td>
</tr>
<tr>
<td>FIN 3403 Business Finance</td>
<td>GEB 3005 Career Search Strategy</td>
<td>MAR 3613 Marketing Research</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
<td>BUL 3130 Legal and Ethical Environment of Business</td>
<td>MAR 3615 Marketing Analysis</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td>GEB 3223 Business Interviewing Techniques</td>
<td>MAR 3721 Digital Media Marketing</td>
</tr>
<tr>
<td></td>
<td>GEB 4004 Executing Your Career Plan</td>
<td>MAR 4804 Marketing Strategy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAR 4418 Strategic Sales Force Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAR 4832 Product Management</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select one of the following sequences of courses:</th>
<th>1 Or MAC 2311 and MAC 2312</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students who have not completed both MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.</td>
<td></td>
</tr>
<tr>
<td>ECO 3401 Quantitative Business Tools I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>STA 2023 Statistical Methods I</td>
</tr>
<tr>
<td>ECO 3401 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3401 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I</td>
</tr>
<tr>
<td>or</td>
<td>STA 2023 Statistical Methods I</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Marketing Management Track: Electives 3 hrs

Select 1: 3 hrs
MAR 4841 Services Marketing or 3 hrs
MAR 4941 Marketing Internship 3 hrs

OR

Professional Selling Track: Required 27 hrs

- Admission by department approval: Applicants restricted to declared marketing majors or other business majors who meet all GPA requirements for admission to the marketing major. Requires submission of application by May 1.
- Department faculty committee will select professional selling track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form and in interviews. Must have earned a grade of “B-” (2.75) or higher in the following course to apply:
  - MAR 3391 Professional Selling 3 hrs

Take all of the following:

- MAR 3391 Professional Selling 3 hrs
- MAR 3503 Consumer Behavior 3 hrs
- MAR 3613 Marketing Research 3 hrs
- MAR 3615 Marketing Analysis 3 hrs
- MAR 3721 Digital Media Marketing 3 hrs
- MAR 4804 Marketing Strategy 3 hrs
- MAR 4413C Strategic Issues in Sales 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs
- MAR 4418 Strategic Sales Force Management 3 hrs

5. Restricted Electives

- None

6. Capstone Requirements (3 hrs)

- Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
- MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives

- Variable

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors in Major

- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.

Admission: Application for admission to the Honors in the major program must be approved by both the Chair of the Marketing Department 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 two honors courses (total of 6 credit hours) as follows:

- Honors in Major Credit Requirements
  - Required Honors Reading Course
    - MAR 4903H Honors Directed Reading I 3 hrs
  - Required Honors Thesis
    - MAR 4970H Undergraduate Honors Thesis 3 hrs

Related Programs

- None

Certificates

- None

Related Minors

- Marketing
- Professional Selling

Advising Notes

- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

- Lower division courses 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, can 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, and all prerequisites to marketing courses.
- Any student receiving a business degree must complete a minimum of 30 of the 60 upper level business credit hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- General electives as required to earn 120 credit hours.

Freshman Year - Fall 15 hrs

ENC 1101 Composition I 3 hrs
MAC 1105C College Algebra 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
Social Foundation I 3 hrs
Elective 3 hrs

Freshman Year - Spring 15 hrs

ENC 1102 Composition II 3 hrs
ECO 2033 Principles of Microeconomics 3 hrs
Social Foundation 3 hrs
**Mathematics (B.S.)**

**College of Sciences**

Department of Mathematics, Mathematical Sciences Building, Room: 207

[http://math.ucf.edu](http://math.ucf.edu)

Dr. Joseph Brennan, MSB 212, Joseph.Brennan@ucf.edu, 407-823-0147

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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: 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 course used to satisfy a requirement.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses, except the following, must be either taken from, or approved by, the Department of Mathematics at UCF:
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Ordinary Differential Equations I 3 hrs

**Note:** the following courses will not satisfy any Math degree requirements:

- MTG 4404 History of Mathematics 3 hrs
- MHF 4404 History of Mathematics 3 hrs

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1. **UCF General Education Program (GEP)** (38 hrs)
- (Note: Certain courses must be selected for this major, bringing GEP hours above 36)
- Some concentrations require particular selections of courses in the GEP program. Please consult the desired concentration listed below.

**A: Communication Foundations** (9 hrs)

**B: Cultural & Historical Foundations** (9 hrs)

**C: Mathematical Foundations** (7 hrs)

Required: MAC 2311C Calculus with Analytic Geometry I 4 hrs

Required: COP 3502C Computer Science I 3 hrs

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

Required: ECO 2023 Principles of Microeconomics 3 hrs

**2. Select a course listed in GEP Program** 3 hrs

**E: Science Foundations** (8 hrs)

Select one:
- Suggested: PHY 2048C General Physics I 4 hrs
- Suggested: CHM 2045C General Chemistry I 4 hrs

**AND**

Suggested: BSC 2010C Biology I 4 hrs

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2. **Common Program Prerequisites (CPP)** (11 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutions of certain courses.

**UNIVERSITY OF CENTRAL FLORIDA**

Undergraduate Catalog 2017-2018
UCF Degree Programs

MAC 2312  Calculus with Analytic Geometry II  4 hrs
MAC 2313  Calculus with Analytic Geometry III  4 hrs
MAP 2302  Ordinary Differential Equations I  3 hrs

Select from the courses listed in the GEP  4 hrs

Program
1. CHM 2045C Chemistry Fundamentals I or  GEP
2. BSC 2010C Biology I or  GEP
3. PHY 2048C General Physics Using Calculus I  GEP

1 or the two semester equivalent CHM 2040/2041

Track Prerequisites: 12 hrs

B. Mathematical Biology Track 42 hrs

Take all of the following:

PHY 2046C  General Physics Using Calculus I and  4 hrs
PHY 2049C  General Physics Using Calculus II  4 hrs

Take all of the following:  33 hrs

CHM 2210  Organic Chemistry I and  3 hrs
CHM 2211  Organic Chemistry II and  3 hrs
MAP 4484  Mathematical Biology I and  3 hrs
STA 2023  Statistical Methods I and  3 hrs
STA 4321  Statistical Theory I and  3 hrs
STA 4322  Statistical Theory II and  3 hrs
Any 4000 or 5000 level course with an MAP or MAT prefix offered by the Department of Mathematics and  and  3 hrs
Any 4000 or 5000 level course with an MAA, MAD, MAS or MTG prefix offered by the Department of Mathematics except MTG 4212 and  and
Select 9 credit hours from lecture courses listed in the restricted electives within the Biology and/or Biomedical Sciences programs.

C. Mathematical Economics Track 36 hrs

Track Prerequisites:

ECO 2023 Principles of Microeconomics (GEP)

Take all of the following:  36 hrs

ECO 2013 Principles of Macroeconomics and  3 hrs
ECO 3011 Intermediate Microeconomics and  3 hrs
ECO 3203 Intermediate Macroeconomics and  3 hrs
ECO 3410 Mathematical Economics and  3 hrs
ECO 4412 Econometrics I and  3 hrs
MAP 4113 Probability, Random Processes and Applications and  3 hrs
MAP 4640 Financial Mathematics and  3 hrs
STA 2023 Statistical Methods I and  3 hrs
STA 4321 Statistical Theory I and  3 hrs
Select 3 credit hours from 4000 or 5000 level courses with an MAA, MAD MAS or MTG prefix offered by the Department of Mathematics except MTG 4212

And select 6 credit hours from the following:  6 hrs

ECO 3703 International Microeconomics or  3 hrs
ECO 4504 Public Economics or  3 hrs
ECO 4713 International Macroeconomics or  3 hrs
ECP 4303 Environmental and Natural Resource Economics or  3 hrs
ECP 4403 Industrial Organization or  3 hrs
STA 4322 Statistical Theory II  3 hrs

D. Computational Track 39 hrs

Track Prerequisites:

COP 3502C Computer Science I (GEP)

Take all of the following:  27 hrs

COP 3503C Computer Science II and  3 hrs
MAP 4303 Ordinary Differential Equations II and  3 hrs
MAP 4341 Introduction to Partial Differential Equations and  3 hrs
MAP 4371 Numerical Methods for Differential Equations and  3 hrs
MAP 4384 Numerical Methods for Computational Sciences and  3 hrs
STA 2023 Statistical Methods I and  3 hrs
STA 4321 Statistical Theory I and  3 hrs
Select 3 credit hours from 4000 or 5000 level courses with an MAA, MAD, MAS or MTG prefix offered by the Department of Mathematics except MTG 4212 and  and
Select an additional 3 credits from 4000 or 5000 level courses offered by the Department of Mathematics except for MTG 4212 or MHI 4404

And select 9 credit hours from the following:  9 hrs

COP 3402  Systems Software or  3 hrs
COP 4020  Programming Languages I or  3 hrs
COT 4210  Discrete Structures II or  3 hrs
COP 4331C  Processes for Object-Oriented Software Development or  3 hrs
COP 4600  Operating Systems or  3 hrs
EEL 4768  Computer Architecture  3 hrs
### E. Engineering/Physics Track

**Track Prerequisites:**
- PHY 2048C Physics for Engineers & Scientists I (GEP/CPP)
- PHY 2049C Physics for Engineers and Scientists II (CPP)

**Take all of the following courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3321 Engineering Analysis-Dynamics and Vibration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAA 4402 Introduction to Complex Variables</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4103 Mathematical Modeling I and II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4303 Ordinary Differential Equations II and III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4341 Introduction to Partial Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3101 General Physics Using Calculus III</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COT 4500 Numerical Calculus or I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3420 Engineering Analysis or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4371 Numerical Methods for Differential Equations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4384 Numerical Methods for Computational Sciences or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHZ 3151 Computer Methods in Physics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310 Engineering Analysis-Statics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3220 Mechanics I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select at least 6 hours:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES 4100C Structural Analysis I and Lab or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EAS 3101 Fundamentals of Aerodynamics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3004C Electrical Networks or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3601 Solid Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3331C Mechanics of Materials or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4512 Deterministic Methods for Operations Research or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4604 Wave Mechanics I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4605 Wave Mechanics II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select at least 6 hours:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWR 3201 Engineering Fluid Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4105 Flight Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4200 Analysis &amp; Design of Aerospace Structures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4400 Spacecraft Attitude Dynamics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4505 Orbital Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3342C Digital Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3470 Electromagnetic Fields or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3552C Signal Analysis and Analog Communication or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 3657 Linear Control Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3801C Computer Organization or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 4742C Embedded Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4750 Digital Signal Processing Fundamentals or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4832 Engineering Applications of Computer Methods or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4851C Engineering Data Structures or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EGN 3365 Structure and Properties of Materials or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3613 Engineering Economic Analysis or</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EIN 4333 Production and Distribution Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EMA 2223 Fundamentals of Mechanical Behavior of Materials or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3262 Kinematics of Mechanisms or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3701 Fluid Mechanics I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4142 Heat Transfer or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4225 Introduction to Vibrations and Controls or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4313 Intermediate System Dynamics and Controls or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4703 Fluid Mechanics II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4561 Advanced Environmental Engineering Operations &amp; Processes or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4234 Quality Engineering or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4523 Systems Simulation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3323 Electricity and Magnetism I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4324 Electricity and Magnetism II or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements
- None

### 8. Electives
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each course used to satisfy the degree program.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Participate in an exit interview.
- Fulfill Exit Examination requirement.

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

### Total Semester Hours Required
- 120

### Honors in Major
- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.

### Related Programs
- Aerospace Engineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Electrical Engineering
- Industrial Engineering
- Mathematics Education
- Mechanical Engineering
- Physics
- Statistics

### Certificates
- None

### Related Minors
- Actuarial Science
- Bioengineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Education
- Environmental Studies
- Information Technology
- Mathematics
UCF Degree Programs

- Mathematics Education
- Physics
- Statistics
- Technological Entrepreneurship

Advising Notes
- Students with adequate preparation can consult with the department undergraduate advisor on substituting graduate classes for departmental electives.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:
  - Computer Programming: may use any programming course with a COP prefix.
  - Laboratory Science: may use any GLY, PHY, CHM or BSC course with a lab designed for science majors; however, the biology, chemistry and physics classes are core requirements and still must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Chemistry, take Chemistry Placement Test - http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu
- Below Plan of Study designed to pursue graduate study.

Freshman Year - Fall 17 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
ENC 1101 Composition I 3 hrs
BSC 2010C Biology I 4 hrs
ECO 2023 Principles of Microeconomics 3 hrs
EUH 2000 Western Civilization I 3 hrs

Freshman Year - Spring 16 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MTH 3302 Logic and Proof in Mathematics 3 hrs
ENG 1102 Composition II 3 hrs
EUH 2001 Western Civilization II 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 17 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAS 3105 Matrix and Linear Algebra 4 hrs
COP 3502 Computer Science I 3 hrs
PHY 2048C General Physics Using Calculus I 4 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Spring 14 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
MAS 3106 Linear Algebra 4 hrs
PHY 2049C General Physics Using Calculus II 4 hrs
PSY 2012 General Psychology 3 hrs

Junior Year - Fall 15 hrs
MAP 4203 Introduction to Combinatorics 3 hrs
MAP 4303 Ordinary Differential Equations II 3 hrs
MAP 4384 Numerical Methods for Computational Sciences 3 hrs
Elective 3 hrs

Junior Year - Spring 14 hrs
MAP 4301 Introduction to Graph Theory 3 hrs
MAA 4402 Introduction to Complex Variables 3 hrs
MAP 4371 Numerical Methods for Differential Equations 3 hrs
Elective 3 hrs
Elective 2 hrs

Senior Year - Fall 14 hrs
MAA 4226 Advanced Calculus I 4 hrs
MAP 4153 Vector and Tensor Analysis 3 hrs
MAP 4341 Introduction to Partial Differential Equations 3 hrs
MAP 4903H Honors Directed Reading I 1 hr
MAS 4301 Abstract Algebra I 3 hrs

Senior Year - Spring 13 hrs
MAA 4227 Advanced Calculus II 3 hrs
MAP 4970H Undergraduate Honors Thesis 1 hr
MAS 4302 Abstract Algebra II 3 hrs
MTG 4254 Introduction to Differential Geometry 3 hrs
MTG 4302 Introduction to Topology 3 hrs

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

Mechanical Engineering (B.S.M.E.)
College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering, Engineering I, Room: 381
http://www.mae.ucf.edu

Email: MAEadvising@ucf.edu
Dr. Hyoung Jin “Joe” Cho, hjcho@ucf.edu, 407-823-5014
Dr. Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-5448

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- Students in the Mechanical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP).
- Therefore, any student majoring in Mechanical Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better on the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Mechanical Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
A student who is excluded from CECS or COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Mechanical Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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

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

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
  Prefer SPC 1603C Fundamentals of Technical Presentations or
  Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

Select two courses from Historical Foundations 6 hrs
Select one course from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)

Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs
  Prefer ECO 2013 Principles of Macroeconomics or
  Prefer ECO 2023 Principles of Microeconomics
Select one course from Social Foundations 3 hrs

E: Science Foundations (7 hrs)

Required PHY 2048C General Physics Using Calculus I 4 hrs
Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

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

1 MAC 2311C Calculus with Analytic Geometry I  GEP
1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
1 MAP 2302 Ordinary Differential Equations I 3 hrs
1 PHY 2048C General Physics Using Calculus I  GEP
PHY 2049C General Physics Using Calculus II 4 hrs

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

Select one of the following sequences of courses:

-Preferred course
  CHS 1440 Principles of Chemistry 4 hrs

or- First alternative: Select all of the following: 6 hrs
  CHM 2040 Chemistry Fundamentals IA and
  CHM 2041 Chemistry Fundamentals IB 3 hrs

or- Second alternative
  CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)

Required Courses: Basic 2 hrs

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.

  EGS 1006C Introduction to the Engineering Profession 1 hr
  EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)

Required Courses: Advanced 36 hrs

EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3334 Thermodynamics 3 hrs
EGN 3365 Structure and Properties of Materials 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3023 Probability and Statistics for Engineers 3 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
EML 3303C Mechanical Engineering Measurements 3 hrs
EGM 3601 Solid Mechanics 3 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 4142 Heat Transfer 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EML 4225 Introduction to Vibrations and Controls 3 hrs
EML 3500 Design and Analysis of Machine Components 3 hrs

Select 2 of the Following: 6 hrs

EML 3101 Thermodynamics of Mechanical Systems or
EML 4143 Heat Transfer II or
EML 4313 Intermediate System Dynamics and Controls or
EML 4703 Fluid Mechanics II or
EML 4504 Design & Analysis of Machine Components II

Select 1 of the Following: 3 hrs

EML 4301C Mechanical Systems Lab or
EML 4306C Energy Systems Lab

5. Restricted Electives

Approved Electives 18 hrs

Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of approved restricted technical electives and the terms when specific courses of this type are offered.

6. Capstone Requirements (6 hrs)

These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

EML 4501C Engineering Design I 3 hrs
EML 4502C Engineering Design II 3 hrs

7. Foreign Language Requirements

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

Graduation
None

8. Electives

None

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
Sophomore Year - Spring 12 hrs
EGN 3343 Thermodynamics 3 hrs
EGM 3601 Solid Mechanics 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs

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

Junior Year - Fall 15 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
EML 3303C Mechanical Engineering Measurements 3 hrs
GEP 3 hrs
EML 3933 Mechanical Career and Academic Faculty Advising I 0 hrs
EML 3500 Design and Analysis of Machine Components 3 hrs

Junior Year - Spring 15 hrs
EML 4142 Heat Transfer 3 hrs
EML 4225 Introduction to Vibrations and Controls 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
GEP 3 hrs

Senior Year - Fall 15 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
EML 4501C Engineering Design I 3 hrs
EML 4501 Mechanical Career and Academic Faculty Advising I 0 hrs

Senior Year - Spring 12 hrs
EML 4502C Engineering Design II 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs

Select 2 6 hrs
EML 3101 Thermodynamics of Mechanical Systems or 3 hrs
EML 4143 Heat Transfer II or 3 hrs
EML 4313 Intermediate System Dynamics and Controls or 3 hrs
EML 4703 Fluid Mechanics II or 3 hrs
EML 4504 Design & Analysis of Machine Components II 3 hrs

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

Equipment Fees
Part-Time Student: $45 per term
Full-Time Student: $90 per term

Medical Laboratory Sciences (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Health and Public Affairs II, Room: 335
https://med.ucf.edu/biomed/
Dr. Griffith Parks, Director
Dorilyn Hitchcock, Program Director
Phone: 407-823-5932

Admission Requirements
Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
UCF Degree Programs

- 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 consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check, negative drug screen, and Board of Clinical Lab Personnel trainee license are required.

1. UCF General Education Program (GEP) (36 hrs)
- Communication Foundations (9 hrs)
- Cultural & Historical Foundations (9 hrs)
- Mathematical Foundations (6 hrs)
- Prefer MAC 1105 College Algebra 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs
- Social Foundations (6 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (25 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Chemistry Fundamentals I and GEP
- STA 2023 Statistical Methods I GEP
- ZOO 3733C Human Anatomy 4 hrs
- MCB 3203C General Microbiology 5 hrs
- PCH 3703C Human Physiology 4 hrs
- Take all of the following:
  - CHM 2045C Chemistry Fundamentals I and GEP 4 hrs
  - CHM 2046 Chemistry Fundamentals II and GEP 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - Take all of the following:
    - CHM 2210 Organic Chemistry I and 3 hrs
    - CHM 2211 Organic Chemistry II and 3 hrs
    - CHM 2211L Organic Laboratory Techniques I 2 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (64 hrs)
- MLS 4430C Clinical Parasitology 3 hrs
- MLS 3305 Hematology 3 hrs
- MLS 4505C Immunodiagnostics 3 hrs
- MLS 4910 Introduction to Clinical Research 1 hr
- MLS 4550 Clinical Immunohematology 4 hrs
- MLS 4460L Clinical Pathogenic Microbiology Lab 1 hr
- MLS 4334 Hemostasis 3 hrs
- MLS 4625L Advanced Clinical Chem I Lab 1 hr
- PCB 3233L Immunology Laboratory 1 hr
- MLS 3365L Hematology Lab 1 hr
- MLS 4933 Medical Technology Seminar 2 hrs
- MLS 3705 Concepts in Education/Management 3 hrs
- MLS 4830L Interpretive & Practical Clinical Chemistry 4 hrs
- MLS 4831L Interpretive & Practical Immunohematology 4 hrs
- MLS 4832L Interpretive & Practical Hematology 4 hrs
- MLS 4833L Diagnostic Microbiology 4 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 3033 Pathogenic Microbiology 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation
  - None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum 2.5 overall GPA is required for clinical assignment.
- The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University’s didactic component and the clinical component in affiliated hospital laboratories.
- Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.
- Students must earn a grade of “C” (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

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

Total Semester Hours Required
- 126

Honors In Major
- None

Related Programs
- Biomedical Sciences
- Biology
- Chemistry

Certificates
- None

Related Minors
- Biomedical Sciences
- Biology
- Chemistry
UCF Degree Programs

Advising Notes

- None

Transfer Notes

- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses:

- Human Anatomy and Physiology I and II (BSC 2093/BSC 2094) may be substituted with MCB 2010C

Plan of Study

**Freshman Year - Fall**
- 16 hrs
  - MAC 1105C College Algebra 3 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - GEP 9 hrs

**Junior Year - Spring**
- 17 hrs
  - ENC 1102 Composition II 3 hrs
  - BSC 2010C Biology I 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory I 1 hr
  - GEP 6 hrs

**Sophomore Year - Fall**
- 16 hrs
  - CHM 2210 Organic Chemistry I 3 hrs
  - ZOO 3733C Human Anatomy 4 hrs
  - GEP 9 hrs

**Sophomore Year - Spring**
- 17 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - MCB 3020C General Microbiology 5 hrs
  - PCB 3703C Human Physiology 4 hrs
  - GEP 6 hrs

**Junior Year - Fall**
- 14 hrs
  - MLS 3220C Techniques in Clinical Microscopy 3 hrs
  - MLS 4625 Advanced Clinical Chemistry I 3 hrs
  - MLS 4625L Advanced Clinical Chem I Lab 1 hr
  - PCB 3233 Immunology 3 hrs
  - PCB 3233L Immunology Laboratory 1 hr
  - MLS 4430C Clinical Parasitology 3 hrs

**Junior Year - Spring**
- 8 hrs
  - MLS 3305L Hematology Lab 1 hr
  - MLS 4630 Advanced Clinical Chemistry II 3 hrs
  - MLS 4660L Clinical Pathogenic Microbiology Lab 1 hr
  - MCB 3203 Pathogenic Microbiology 3 hrs

**Junior Year - Summer**
- 7 hrs
  - MLS 4334 Hemostasis 3 hrs
  - MLS 4550 Clinical Immunohematology 4 hrs

**Senior Year - Fall**
- 16 hrs
  - MLS 4830L Interpretive & Practical Clinical Chemistry 4 hrs
  - MLS 4830L Interpretive & Practical Immunohematology 4 hrs
  - MLS 4830L Interpretive & Practical Hematology 4 hrs
  - MLS 4830L Diagnostic Microbiology 4 hrs

**Senior Year - Spring**
- 13 hrs
  - MLS 4910 Introduction to Clinical Research 1 hr
  - MLS 4920G Immuno-diagnostic 3 hrs
  - MLS 4933 Medical Technology Seminar 2 hrs
  - MLS 3705 Concepts in Education/Management 3 hrs
  - BSC 3403C Quantitative Biological Methods 4 hrs

Program Academic Learning Compacts

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

Equipment Fees

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

Full-Time Student: $78 per term

University of Central Florida

Advising Notes

- None

Transfer Notes

- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses:

- Human Anatomy and Physiology I and II (BSC 2093/BSC 2094) may be substituted with MCB 2010C

Plan of Study

**Freshman Year - Fall**
- 16 hrs
  - MAC 1105C College Algebra 3 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - GEP 9 hrs

**Sophomore Year - Fall**
- 17 hrs
  - CHM 2210 Organic Chemistry I 3 hrs
  - ZOO 3733C Human Anatomy 4 hrs
  - GEP 9 hrs

**Sophomore Year - Spring**
- 17 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - MCB 3020C General Microbiology 5 hrs
  - PCB 3703C Human Physiology 4 hrs
  - GEP 6 hrs

**Junior Year - Fall**
- 14 hrs
  - MLS 3220C Techniques in Clinical Microscopy 3 hrs
  - MLS 4625 Advanced Clinical Chemistry I 3 hrs
  - MLS 4625L Advanced Clinical Chem I Lab 1 hr
  - PCB 3233 Immunology 3 hrs
  - PCB 3233L Immunology Laboratory 1 hr
  - MLS 4430C Clinical Parasitology 3 hrs

**Junior Year - Spring**
- 8 hrs
  - MLS 3305L Hematology Lab 1 hr
  - MLS 4630 Advanced Clinical Chemistry II 3 hrs
  - MLS 4660L Clinical Pathogenic Microbiology Lab 1 hr
  - MCB 3203 Pathogenic Microbiology 3 hrs

**Junior Year - Summer**
- 7 hrs
  - MLS 4334 Hemostasis 3 hrs
  - MLS 4550 Clinical Immunohematology 4 hrs

**Senior Year - Fall**
- 16 hrs
  - MLS 4830L Interpretive & Practical Clinical Chemistry 4 hrs
  - MLS 4830L Interpretive & Practical Immunohematology 4 hrs
  - MLS 4830L Interpretive & Practical Hematology 4 hrs
  - MLS 4830L Diagnostic Microbiology 4 hrs

**Senior Year - Spring**
- 13 hrs
  - MLS 4910 Introduction to Clinical Research 1 hr
  - MLS 4920G Immuno-diagnostic 3 hrs
  - MLS 4933 Medical Technology Seminar 2 hrs
  - MLS 3705 Concepts in Education/Management 3 hrs
  - BSC 3403C Quantitative Biological Methods 4 hrs

Program Academic Learning Compacts

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

Equipment Fees

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

College of Arts and Humanities

Department of Music

Performing Arts Center, Room: M203

http://music.cah.ucf.edu

Email: ucfmusic@ucf.edu

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

- Each student must complete an audition that demonstrates satisfactory performance proficiency.
- The audition will serve as a placement examination for accepted candidates

Degree Requirements

- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://www.music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major
- Students should consult with a departmental advisor for course selections
- Courses designated in 1 (General Education Program) are usually spread over the full four years
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- A cumulative minimum GPA of 3.00 based upon all courses required in the major as well as all courses taken in music is required. Failure to maintain this standard may result in program probation or dismissal. Please refer to the SPA Student Handbook (http://performingarts.cah.ucf.edu/music/resources) for details on program standards.

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

- (see General Education Program for detailed information)

A: Communication Foundations (9 hrs)

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- Required MUH 3212 Music History and Literature II 3 hrs
- Select one course from B.1 list 3 hrs
- Required MUL 2720 Music of the World 3 hrs

C: Mathematical Foundations (6 hrs)

- Math 3 hrs
  - Suggested MGF 1107 Explorations in Mathematics 3 hrs
  - Suggested MGF 1106 Finite Mathematics 3 hrs
  - You may substitute a higher level math with appropriate scores on the Math Placement Exam

Statistics-Computers

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

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (28 hrs)

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

MUT 1121 Music Theory and Musicianship I 4 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 1111  Class Piano I  1 hr
MVK 1112  Class Piano II  1 hr
MVK 2121  Class Piano III  1 hr
MVK 2122  Class Piano IV  1 hr
MUN XXXX  Ensembles  4 hrs
MVK XXXX  Performance  4 hrs

3. Core Requirements: Basic Level (6 hrs)
   1 MUS 1010  Music Forum  0 hrs
   MUS 2360C  Introduction to Music Technology  3 hrs
   MUH 3633  Music in the United States  3 hrs
   MUL 2720  Music of the World  3 hrs
   GEP

1  (4 semesters)

4. Core Requirements: Advanced Level (3 hrs)
   MUH 3211  Music History and Literature I  3 hrs
   MUH 3212  Music History and Literature II  3 hrs
   GEP

5. Restricted Electives (33 hrs)
   Restricted Electives-Music  15 hrs
   Choose from any MUX 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)
   Choose one MUT 3XXX or MUT 4XXX course  3 hrs
   Restricted Electives-Non-Music  18 hrs
   Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progressions within a single or two related departments. The completion of a minor is strongly encouraged.

6. Capstone Requirements
   MUS 4900  Music BA Capstone Project  3 hrs

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

8. Electives
   Select primarily from upper-level courses

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    Earn a grade of “C” (2.0) or better in each Music course

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

Total Semester Hours Required 120

Honors in Major
Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-Major.

Related Programs
Music Education
Theatre
Theatre - Musical Theatre Track

Certificates
None

Related Minors
Music
Theatre

Advising Notes
None

Transfer Notes
Lower division courses do not substitute for upper division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
None

Plan of Study
Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall 17 hrs
   1 ENC 1101  Composition I  3 hrs
   MUN 1121  Music Theory and Musicianship I  4 hrs
   MVK 1111  Class Piano I  1 hr
   MUS 1010  Music Forum  0 hrs
   MUN XXXX  Ensemble  1 hr
   MVX XXXX  Performance  2 hrs
   GEP E.1.  Science Foundation  3 hrs
   MUH 3633  Music in the United States  3 hrs

Freshman Year - Spring 14 hrs
   1 ENC 1102  Composition II  3 hrs
   MUN 1122  Music Theory and Musicianship II  4 hrs
   MVK 1112  Class Piano II  1 hr
   MUS 1010  Music Forum  0 hrs
   MUS 2360C  Introduction to Music Technology  3 hrs
   MUN XXXX  Ensemble  1 hr
   MVX 141X  Performance I  2 hrs

Sophomore Year - Fall 16 hrs
   1 SPC 1608  Fundamentals of Oral Communication  3 hrs
   MUN 1121  Music Theory and Musicianship I  4 hrs
   MVK 2121  Class Piano III  1 hr
   MUS 1010  Music Forum  0 hrs
   MUN XXXX  Ensemble  1 hr
   MVX 141X  Performance I  2 hrs
   GEP C.2.  Social Foundation  3 hrs

Sophomore Year - Spring 16 hrs
   MUN 1122  Music Theory and Musicianship IV  4 hrs
   MVK 2122  Class Piano IV  1 hr
   MUS 1010  Music Forum  0 hrs
   MGF 1106  Finite Mathematics  3 hrs
   MVX XXXX  Performance  4 hrs
   MUN XXXX  Ensemble  4 hrs
   Select from GEP C.2  3 hrs

Junior Year - Fall 15 hrs
   MUH 3211  Music History and Literature I  3 hrs
   GEP B.1.  Cultural & Historical Foundation  3 hrs
   MUX 3/4XXX  Music Restricted Elective  3 hrs
   XXX 3/4XXX  Non-Music Restricted Elective  3 hrs

Junior Year - Spring 15 hrs
   MUH 3212  Music History and Literature II  3 hrs
   Elective  3 hrs
   MUX 3/4XXX  Music Restricted Elective  3 hrs
   MUX 3/4XXX  Music Restricted Elective  3 hrs
   XXX 3/4XXX  Non-Music Restricted Elective  3 hrs

Senior Year - Fall 15 hrs
   GEP D.1.  Social Foundation  3 hrs
   XXX 3/4XXX  Non-Music Restricted Elective  3 hrs
   MUX 3/4XXX  Music Restricted Elective  3 hrs
   GEP E.2.  Science Foundation  3 hrs
   XXX 3/4XXX  Non-Music Restricted Elective  3 hrs
UCF Degree Programs

Senior Year - Spring  12 hrs
MUS 4900  Music BA Capstone Project  3 hrs
GEP D.2  Social Foundation  3 hrs
XXX 3/4XXX  Non-Music Restricted Elective  3 hrs
XXX 3/4XXX  Non-Music Restricted Elective  3 hrs

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - Jazz Studies Track (B.M.)
College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu
Email: musicaud@ucf.edu
J. Rupert, JeffRupert@ucf.edu, 407-823-5411
Kirk Gay, Kirk.Gay@ucf.edu, 407-823-5968

Admission Requirements
Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0
- This review is a pre-requisite for Performance level III.

Degree Requirements
- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.
- A cumulative minimum GPA of 3.00 based upon all courses required in the major as well as all courses taken in music is required. Failure to maintain this standard may result in program probation or dismissal. Please refer to the SPA Student Handbook (http://performingarts.cah.ucf.edu/music/resources) for details on program standards.

1. UCF General Education Program (GEP)  (36 hrs)
   - (See General Education program for detailed information)
   - A: Communication Foundations  (9 hrs)
     Prefer SPC 1608 Fundamentals of Oral Communication  3 hrs
   - Take all of the following:  (6 hrs)
     Required ENC 1101 Composition I and 3 hrs
     Required ENC 1102 Composition II  3 hrs
   - B: Cultural & Historical Foundations  (9 hrs)
     Required MUL 2016 Evolution of Jazz  3 hrs
     Select one course from B.1 list  3 hrs
     Required MUT 2720 Music of the World  3 hrs
   - C: Mathematical Foundations  (6 hrs)
     Math  3 hrs
     Suggested MGF 1106 Finite Mathematics or  3 hrs
     Suggested MGF 1107 Explorations in Mathematics or  3 hrs
     You may substitute a higher level math with appropriate scores on the Math Placement Exam.
   - Statistics - Computers  3 hrs
     Select a course from GEP C.2 list  3 hrs
   - D: Social Foundations  (6 hrs)
   - E: Science Foundations  (6 hrs)

2. Common Program Prerequisites (CPP)  (24 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - MUT 1121 Music Theory and Musicianship I  4 hrs
   - MUT 1122 Music Theory and Musicianship II  4 hrs
   - MUT 2126 Music Theory and Musicianship III  4 hrs
   - MUT 2127 Music Theory and Musicianship IV  4 hrs
   - MUN 3713 Jazz Ensemble  1 hr
   - MVK 1111 Class Piano I  1 hr
   - MVK 1112 Class Piano II  1 hr
   - MVK 2121 Class Piano III  1 hr
   - MVK 2122 Class Piano IV  1 hr
   - Four semesters for total 4 hrs

3. Core Requirements: Basic Level  (6 hrs)
   - MUT 2360C Introduction to Music Technology  3 hrs
   - MUS 1010 Music Forum  3 hrs
   - MUL 2016 Evolution of Jazz  3 hrs
   - MUL 2720 Music of the World  3 hrs
   - MUH 3633 Music in the United States  3 hrs
   - Eight semesters

4. Core Requirements: Advanced Level  (54 hrs)
   - MUT 3170 Jazz Theory I  3 hrs
   - MUT 3171 Jazz Theory II  3 hrs
   - MUT 3223 Jazz Workshop  3 hrs
   - MUS 4320 Music Business and Industry  3 hrs
   - MUH 4814 Jazz Styles and Analysis  3 hrs
   - MUS 4353 Recital Performance I  3 hrs
   - MUS 4954 Recital Performance II  3 hrs
   - Select 1:  (3 hrs)
     MUH 3211 Music History and Literature I or  3 hrs
     MUH 3212 Music History and Literature II  3 hrs
   - Four semesters for total 12 hrs

Specialty Requirements (Choose one):  (27 hrs)
- All courses are taken for two semesters each except restricted elective courses

Trumpet
- MVB 1411 Trumpet I  2 hrs
- MVB 2421 Trumpet II  2 hrs
- MVB 3431 Trumpet III  3 hrs
- MVB 4441 Trumpet IV  4 hrs
- Restricted Electives  5 hrs

Trombone
- MVB 1413 Trombone I  2 hrs
- MVB 2423 Trombone II  2 hrs
- MVB 3433 Trombone III  3 hrs
- MVB 4443 Trombone IV  4 hrs
- Restricted Electives  5 hrs
UCF Degree Programs

Saxophone
- MVW 1415 Saxophone I: 2 hrs
- MVW 2425 Saxophone II: 2 hrs
- MVW 3435 Saxophone III: 3 hrs
- MVW 4445 Saxophone IV: 4 hrs
- Restricted Electives: 5 hrs

Jazz Piano
- MVJ 1010 Jazz Piano I: 2 hrs
- MVJ 2220 Jazz Piano II: 2 hrs
- MVJ 3230 Jazz Piano III: 3 hrs
- MVJ 4240 Jazz Piano IV: 4 hrs
- MVK 1211 Secondary Piano: 1 hr
- Restricted Electives: 3 hrs

Jazz Bass
- MVJ 1214 Jazz Bass I: 2 hrs
- MVJ 2224 Jazz Bass II: 2 hrs
- MVJ 3234 Jazz Bass III: 3 hrs
- MVJ 4244 Jazz Bass IV: 4 hrs
- MVS 1214 Secondary Bass: 1 hr
- Restricted Electives: 3 hrs

Jazz Guitar
- MVJ 1213 Jazz Guitar I: 2 hrs
- MVJ 2223 Jazz Guitar II: 2 hrs
- MVJ 3233 Jazz Guitar III: 3 hrs
- MVJ 4243 Jazz Guitar IV: 4 hrs
- MVJ 1216 Secondary Guitar: 1 hr
- Restricted Electives: 3 hrs

Jazz Drum Set
- MVJ 1219 Jazz Drum Set I: 2 hrs
- MVJ 2229 Jazz Drum Set II: 2 hrs
- MVJ 3339 Jazz Drum Set III: 3 hrs
- MVJ 4349 Jazz Drum Set IV: 4 hrs
- MVP 1211 Secondary Percussion: 1 hr
- Restricted Electives: 3 hrs

Restricted Electives
- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

5. Restricted Electives
- 274

7. Foreign Language Requirements
- None

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

Graduation
- None

8. Electives
- Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course

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

Total Semester Hours Required
- 120

Honors in Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-major.
University of Central Florida

UCF Degree Programs

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVX 121X Secondary Performance 1 hr

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVK 1112 Class Piano II 1 hr
- MUT 1010 Music Forum 0 hrs
- MVX 2306C Introduction to Music Technology 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- MVX 1XXX Performance I 2 hrs

Sophomore Year - Fall
- SPG 1008 Fundamentals of Oral Communication 3 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVK 1112 Class Piano II 1 hr
- MUT 1010 Music Forum 0 hrs
- MGF 1106 Finite Mathematics 3 hrs
- MVX 2XXX Performance II 2 hrs

Sophomore Year - Spring
- MUN 3713 Jazz Ensemble 1 hr
- MVK 1112 Class Piano II 1 hr
- MUT 3170 Jazz Theory I 3 hrs
- MUS 1010 Music Forum 0 hrs
- Professional Sequence Entrance Review
- MVX 2XXX Performance II 2 hrs
- Cultural & Historical Foundation 3 hrs

Junior Year - Fall
- MUN 1010 Music Forum 0 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 3XXX Performance III 3 hrs
- MVX 3/4XXX Restricted Electives 3 hrs
- MVX 121X Secondary Performance 1 hr

Junior Year - Spring
- MUH 3211 Music History and Literature I 3 hrs
- MUN 3713 Jazz Workshop 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- MVX 3XXX Performance III 3 hrs
- Science Foundation 3 hrs
- Select from GEP C.2 3 hrs

Senior Year - Fall
- MUS 1010 Music Forum 3 hrs
- MUN 3713 Jazz Workshop 3 hrs
- MUN 4814 Jazz Styles and Analysis 3 hrs
- Social Foundation 3 hrs
- MVX 4XXX Performance IV 4 hrs
- Science Foundation 3 hrs

Senior Year - Spring
- MUS 1010 Music Forum 3 hrs
- MUN 3713 Jazz Workshop 3 hrs
- MUS 4954 Recital Performance II 0 hrs
- MVX 4XXX Performance IV 4 hrs
- GEP D.2 Social Foundation 3 hrs

Program Requirements
- Completion of Class Piano IV
- Completion of MUT 2127, Music Theory and Musicianship IV
- Completion of MUH 4814 Jazz Styles and Analysis
- MUT 3923 Jazz Workshop
- MUS 2360C Introduction to Music Technology
- Completion of Performance I and II
- Completion of Composition I and II
- Approval of composition portfolio
- Approval of Performance I and II
- Approval of MUS 2360C
- Approval of MUT 2127 Music Theory and Musicianship IV

Degree Requirements
- 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.
- 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.
- Students must complete a faculty-approved Senior BM web portfolio.

Admission Requirements

Audition Requirements for Admission

- Acceptance into the Department of Music is conditional upon completion of a successful audition.
  - Go to http://www.music.ucf.edu/admissionsauditions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
  - The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review

- Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study.
- Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review.
- Students will be required to pass this evaluation before entering Level III Composition.
- The 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 departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.

University of Central Florida

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

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - Music Composition Track (B.M.)
College of Arts and Humanities
Department of Music,
Performing Art Center - Music, Room: M203
http://music.cah.ucf.edu/
Email: musicaud@ucf.edu
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Audition Requirements

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsauditions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review

- Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition.
- This review will include:
  - Approval of composition portfolio
  - Completion of Composition I and II
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of 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 departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.

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### UCF Degree Programs

- **A cumulative minimum GPA of 3.00 based upon all courses required in the major as well as all courses taken in music is required. Failure to maintain this standard may result in program probation or dismissal. Please refer to the SPA Student Handbook (http://performingarts.caeh.ucf.edu/music/resources) for details on program standards.**

1. **UCF General Education Program (GEP)** *(36 hrs)*
   - (see General Education program for detailed information)
   - A: Communication Foundations *(9 hrs)*
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations *(9 hrs)*
     - Required MUC 3212 Music History and Literature II 3 hrs
     - Select one course from B.1 list 3 hrs
     - Required MUL 2720 Music of the World 3 hrs
   - C: Mathematical Foundations *(6 hrs)*
     - Suggested MGF 1106 Finite Mathematics or 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics 3 hrs
     - You may substitute a higher level math with appropriate scores on the Math Placement Exam.
   - Statistics - Computers 3 hrs
     - Select a course from GEP C.2 list 3 hrs
   - D: Social Foundations *(6 hrs)*
   - E: Science Foundations *(6 hrs)*

2. **Common Program Prerequisites (CPP)** *(32 hrs)*
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - MUT 1121 Music Theory and Musicship I 4 hrs
   - MUT 1122 Music Theory and Musicship II 4 hrs
   - MUT 2126 Music Theory and Musicship III 4 hrs
   - MUT 2127 Music Theory and Musicship IV 4 hrs
   - MKV 1111 Class Piano I 1 hr
   - MKV 1112 Class Piano II 1 hr
   - MKV 2121 Class Piano III 1 hr
   - MKV 2122 Class Piano IV 1 hr
   - MUN XXX Major Ensemble (four semesters) Piano 4 hrs
     - students take MUN 3453; guitar students take MUN 3483
   - MVX 141X Performance I (two semesters) 4 hrs
   - MVX 242X Performance II (two semesters) 4 hrs

3. **Core Requirements: Basic Level** *(20 hrs)*
   - MUH 3633 Music in the United States 3 hrs
   - MUS 2360C Introduction to Music Technology 3 hrs
   - MUC 1101C Composition I 2 hrs
   - MUC 2104C Composition II 2 hrs
   - MUS 1010 Music Forum 0 hrs
   - MUL 2720 Music of the World GE
   - MUG 3104 Basic Conducting 2 hrs
   - MUH 3211 Music History and Literature I 3 hrs
   - MUH 3212 Music History and Literature II 3 hrs
   - MUT 4571 Analysis of Twentieth-Century Music 3 hrs
   - MUN XXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483)

4. **Core Requirements: Advanced Level** *(23 hrs)*
   - Professional Sequence Requirements:
     1. MUC 3105C Composition III 3 hrs
     2. MUC 4106C Composition IV 4 hrs
     3. MUT 4401 Counterpoint 3 hrs
     4. MUT 4311 Orchestration 3 hrs
     5. MUC 4950 Composition Recital 0 hrs
     - One course selected from MUC/MUH/MUS/MUT, 3000 level or above
   - 1 Two semesters for total 6 hrs
   - 2 Two semesters for total 8 hrs

5. **Restricted Electives** *(9 hrs)*
   - Any secondary performance course not in area of major instrument, or
   - Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

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**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.

**Special Non-Course Requirements: 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. Capstone Requirements**
- None

7. **Foreign Language Requirements**

**Admissions**
- None

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

**Graduation**
- None

**11. Departmental Exit Requirements**
- Earn a grade of “C” (2.0) or better in each Music course.

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

**Total Semester Hours Required**
- 120

**Honors In Major**
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-Major.

**Related Programs**
- Music Education
- Music
- Theatre

**Certificates**
- None

**Related Minors**
- Music
- Digital Media
- Theatre

**Advising Notes**
- None
**UCF Degree Programs**

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study (120 hrs)**

**Freshman Year - Fall** (14 hrs)
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 1 hr
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- MUH 3633 Music in the United States 3 hrs

**Freshman Year - Spring** (16 hrs)
- ENC 1102 Composition II 3 hrs
- MUT 1122 Class Piano II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 2360C Introduction to Music Technology 3 hrs
- MUS 1010 Music Forum 0 hrs
- MVX 141X Performance I 1 hr
- MUN XXXX Major Ensemble 1 hr
- Science Foundation 3 hrs

**Sophomore Year - Fall** (15 hrs)
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUS 1101C Composition I 2 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs

**Sophomore Year - Spring** (16 hrs)
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUG 3104C Composition II 2 hrs
- MGF 1106 Finite Mathematics 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs
- MUL 2720 Music of the World 3 hrs

1 (GEP C.1.)

**Junior Year - Fall** (16 hrs)
- MUH 3211 Music History and Literature I 3 hrs
- MUT 4571 Analysis of Twentieth-Century Music 3 hrs
- MUG 3105C Composition III 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- Cultural/Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr

1 (GEP C.1.)

**Junior Year - Spring** (16 hrs)
- MUH 3212 Music History and Literature II 3 hrs
- MUT 4311 Orchestration 3 hrs
- MUG 3105C Composition III 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MUX 3/4XXX Restricted Electives 3 hrs
- Select from GEP C.2 3 hrs

1 GEP

**Senior Year - Fall** (13 hrs)
- MUG 4106C Composition IV 4 hrs
- MUS 1010 Music Forum 0 hrs
- Social Foundation 3 hrs
- Science Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs

**Senior Year - Spring** (13 hrs)
- MUT 4401 Counterpoint 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUC 4950 Composition Recital 3 hrs
- Social Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs

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

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**Music - Music Performance Track (B.M.)**

**College of Arts and Humanities**

**Department of Music,**

**Performing Arts Center, Room: M203**

http://music.cah.ucf.edu/

Email: musicaud@ucf.edu
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

**Admission Requirements**

**Audition Requirements for Admission**
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

- The audition will serve as a placement examination for accepted candidates.

**Professional Sequence Entrance Review**
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

- This review is a pre-requisite for Performance level III.

  **Degree Requirements**
  - Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.
  - Students who change degree programs and select this major must adopt the most current catalog.
  - At least 65 hours of credit must be earned in music courses.
  - Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
  - Performance students must present two faculty-approved 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.
  - Students must complete a faculty-approved Senior BM web portfolio.

- A cumulative minimum GPA of 3.00 based upon all courses required in the major as well as all courses taken in music is required. Failure to maintain this standard may result in program probation or dismissal. Please refer to the SPA Student Handbook (http://performingarts.cah.ucf.edu/musicresources) for details on program standards.

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

- (See General Education program for detailed information)

**A: Communication Foundations**
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
UCF Degree Programs

### Take all of the following: 6 hrs
- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 hrs

### B: Cultural & Historical Foundations (9 hrs)
- Required MUH 3212 Music History and Literature II 3 hrs
- Select one course from B.1 list 3 hrs
- Required MUL 2720 Music of the World 3 hrs

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

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

### 2. Common Program Prerequisites (CPP) (32 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  - MUT 1121 Music Theory and Musicanship I 4 hrs
  - MUT 1122 Music Theory and Musicanship II 4 hrs
  - MUT 2126 Music Theory and Musicanship III 4 hrs
  - MUT 2127 Music Theory and Musicanship IV 4 hrs
  - MVK 1111 Class Piano I 1 hr
  - MVK 1112 Class Piano II 1 hr
  - MVK 2121 Class Piano III 1 hr
  - MVK 2122 Class Piano IV 1 hr
  - MUN XXXX Major Ensemble (four semesters) Piano 4 hrs
  - students take MUN 3453; guitar students take MUN 3484
  - MVX 141X Performance I (2 semesters) 4 hrs
  - MVX 242X Performance II (2 semesters) 4 hrs

### 3. Core Requirements: Basic Level (6 hrs)
- MUS 2360C Introduction to Music Technology 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUH 3633 Music in the United States 3 hrs
- MUL 2720 Music of the World GEP

### 4. Core Requirements: Advanced Level (24 hrs)
- MUS 3953 Recital Performance I 0 hrs
- MUS 4954 Recital Performance II 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUH 3212 Music History and Literature II GEP
- MVX 343X Performance III (2 Semesters) 6 hrs
- MVX 444X Performance IV (2 Semesters) 6 hrs
- MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3484) 2 hrs
- Choose one MUT 3XXX or MUT 4XXX course 3 hrs

### Specialty Requirements (Choose One): 22 hrs
- Piano 22 hrs
  - MUL 3400 Piano Literature I and 2 hrs
  - MUL 3401 Piano Literature II and 2 hrs
  - MVK 4490 Piano Pedagogy I and 2 hrs
  - MUN 3453 Piano Ensemble and 1 hr
  - MUN 3453 Piano Ensemble and 1 hr
  - Restricted Electives and 9 hrs
  - Electives 5 hrs

- Guitar 22 hrs
  - MUL 4437 String Literature and Pedagogy and 3 hrs
  - MUN 3487 Guitar Ensemble and 1 hr
  - MUN 3487 Guitar Ensemble and 1 hr
  - Restricted Electives and 12 hrs
  - Electives 5 hrs

- Voice 22 hrs
  - MUS 1250 IPA for Singers and 1 hr
  - MUS 3255 German and English Lyric Diction and 2 hrs
  - MUS 3254 Italian and French Lyric Diction and 2 hrs
  - MVV 4640 Voice Pedagogy and 2 hrs
  - MUL 3802 Song Literature and 3 hrs
  - MUN XXXX Major Ensembles and 2 hrs
  - MUN XXXX Minor Ensembles and 2 hrs
  - Foreign Language (French, German, or Italian) 8 hrs

- Woodwinds 22 hrs
  - MUL 4444 Woodwind Literature and Pedagogy and 3 hrs
  - MUN XXXX Major Ensembles and 2 hrs
  - MUN XXXX Minor Ensembles and 4 hrs
  - Restricted Electives and 8 hrs
  - Electives 5 hrs

- Brass 22 hrs
  - MUL 4443 Brass Literature and Pedagogy and 3 hrs
  - MUN XXXX Major Ensembles and 2 hrs
  - MUN XXXX Minor Ensembles and 4 hrs
  - Restricted Electives and 8 hrs
  - Electives 5 hrs

- Percussion 22 hrs
  - MUL 3463 Percussion Literature and 2 hrs
  - MVP 3630 Percussion Pedagogy and 2 hrs
  - MUN XXXX Major Ensembles and 4 hrs
  - MUN XXXX Minor Ensembles and 7 hrs
  - Electives 5 hrs

- Strings 22 hrs
  - MUL 4437 String Literature and Pedagogy and 3 hrs
  - MUN XXXX Major Ensembles and 2 hrs
  - MUN XXXX Minor Ensembles and 4 hrs
  - Restricted Electives and 8 hrs
  - Electives 5 hrs

### 5. Restricted Electives 0-15 hrs
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements
- Admissions
  - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation
  - None

### 8. Electives
- Select primarily from upper level courses. May be outside of the department.

### 9. Additional Requirements
- 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.

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-Major.

Related Programs
- Music Education
- Music
- Theatre - Musical Theatre Track

Certificates
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Program A: Strings, Woodwinds, Brass
  - Freshman Year - Fall
    - ENC 1101 Composition I 3 hrs
    - MUN 1121 Music Theory and Musicianship I 4 hrs
    - MVK 1111 Class Piano I 1 hr
    - MUS 1010 Music Forum 0 hrs
    - MUH 3633 Music in the United States 3 hrs
    - MUN XXXX Major Ensemble 1 hr
    - MVX 141X Performance I 2 hrs
  - Freshman Year - Spring
    - ENC 1102 Composition II 3 hrs
    - MUN 1122 Music Theory and Musicianship II 4 hrs
    - MVK 1112 Class Piano II 1 hr
    - MUS 1010 Music Forum 0 hrs
    - MUS 2360C Introduction to Music Technology 3 hrs
    - MVX XXXX Major Ensemble 1 hr
    - MVX 141X Performance I 2 hrs
    - Science Foundation 3 hrs
  - Sophomore Year - Fall
    - SPC 1608 Fundamentals of Oral Communication 3 hrs
    - MUN 1122 Music Theory and Musicianship III 4 hrs
    - MVK 2121 Class Piano III 1 hr
    - MUS 1010 Music Forum 0 hrs
    - MUG 3104 Basic Conducting 2 hrs
    - MUN XXXX Major Ensemble 1 hr
    - MUN XXXX Minor Ensemble 1 hr
    - MVX 242X Performance II 2 hrs
    - Select from GEP C.2 3 hrs
  - Sophomore Year - Spring
    - MUN 1122 Music Theory and Musicianship IV 4 hrs
    - MVK 2122 Class Piano IV 1 hr
    - MUS 1010 Music Forum 0 hrs
    - MGF 1106 Finite Mathematics 3 hrs
    - MUL 2720 Music of the World 3 hrs
    - MUN XXXX Major Ensemble 1 hr
    - MVX 242X Performance II 2 hrs

- Program B: Percussion
  - Freshman Year - Fall
    - ENC 1101 Composition I 3 hrs
    - MUN 1121 Music Theory and Musicianship I 4 hrs
    - MVK 1111 Class Piano I 1 hr
    - MUS 1010 Music Forum 0 hrs
    - MUH 3633 Music in the United States 3 hrs
    - MVP 1411 Percussion I 2 hrs
    - MUN XXXX Major Ensemble 1 hr
  - Freshman Year - Spring
    - ENC 1102 Composition II 3 hrs
    - MUN 1122 Music Theory and Musicianship II 4 hrs
    - MVK 1112 Class Piano II 1 hr
    - MUS 1010 Music Forum 0 hrs
    - MUS 2360C Introduction to Music Technology 3 hrs
    - MVP 1411 Percussion I 2 hrs
    - MUN XXXX Major Ensemble 1 hr
    - Science Foundation 3 hrs
  - Sophomore Year - Fall
    - SPC 1608 Fundamentals of Oral Communication 3 hrs
    - MUN 1122 Music Theory and Musicianship III 4 hrs
    - MUN 3443 Percussion Ensemble 1 hr
    - MVP 2421 Percussion II 2 hrs
    - MUS 1010 Music Forum 0 hrs
    - MUG 3104 Basic Conducting 2 hrs
    - MVK 2121 Class Piano III 1 hr
    - MUN XXXX Major Ensemble 1 hr
    - Select from GEP C.2 3 hrs
  - Sophomore Year - Spring
    - MUN 1122 Music Theory and Musicianship IV 4 hrs
    - MUN 3443 Percussion Ensemble 1 hr
    - MVP 2421 Percussion II 2 hrs
    - MVK 2122 Class Piano IV 1 hr
    - MUS 1010 Music Forum 0 hrs
    - MGF 1106 Finite Mathematics 3 hrs
    - MUL 2720 Music of the World 3 hrs
    - MUN XXXX Major Ensemble 1 hr

Professional Sequence Entrance Review

Senior Year - Fall
- MUS 1010 Music Forum 0 hrs
- Free Elective 2 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Restricted Elective 1 hr

Senior Year - Spring
- MUS 1010 Music Forum 0 hrs
- MUS 4954 Recital Performance II 0 hrs
- Free Elective 2 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Restricted Elective 1 hr

Program A: Strings, Woodwinds, Brass
- Junior Year - Fall
  - MUH 3211 Music History and Literature I 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - Cultural & Historical Foundation 3 hrs
  - MVX 343X Performance III 3 hrs
  - MUX 3/4XXX Restricted Electives 3 hrs
  - MUN XXXX Major Ensemble 1 hr
  - MUN XXXX Minor Ensemble 1 hr

Program B: Percussion
- Junior Year - Fall
  - MUS 1010 Music Forum 0 hrs
  - Free Elective 2 hrs
  - Social Foundation 3 hrs
  - MVX 444X Performance IV 3 hrs
  - MUN XXXX Major Ensemble 1 hr
  - MUN XXXX Restricted Elective 1 hr

- Junior Year - Spring
  - MUH 3212 Music History and Literature II 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUS 3933 Recital Performance I 0 hrs
  - MUX 3/4XXX Restricted Electives 3 hrs
  - MUL 44XX Literature and Pedagogy 3 hrs
  - MVX 343X Performance III 3 hrs
  - MUN XXXX Minor Ensemble 1 hr
  - MUN XXXX Major Ensemble 1 hr

- Senior Year - Fall
  - MUS 1010 Music Forum 0 hrs
  - Free Elective 2 hrs
  - Social Foundation 3 hrs
  - MVX 444X Performance IV 3 hrs
  - MUN XXXX Major Ensemble 1 hr
  - MUN XXXX Restricted Elective 1 hr

- Senior Year - Spring
  - MUS 1010 Music Forum 0 hrs
  - MUS 4954 Recital Performance II 0 hrs
  - Free Elective 2 hrs
  - Social Foundation 3 hrs
  - MVX 444X Performance IV 3 hrs
  - MUN XXXX Major Ensemble 1 hr
  - MUN XXXX Restricted Elective 1 hr

- Program C: Strings, Woodwinds, Brass

- Program D: Percussion

- Program E: Strings, Woodwinds, Brass

- Program F: Percussion

- Program G: Strings, Woodwinds, Brass

- Program H: Percussion

- Program I: Strings, Woodwinds, Brass

- Program J: Percussion

- Program K: Strings, Woodwinds, Brass

- Program L: Percussion

- Program M: Strings, Woodwinds, Brass

- Program N: Percussion

- Program O: Strings, Woodwinds, Brass

- Program P: Percussion

- Program Q: Strings, Woodwinds, Brass

- Program R: Percussion

- Program S: Strings, Woodwinds, Brass

- Program T: Percussion

- Program U: Strings, Woodwinds, Brass

- Program V: Percussion

- Program W: Strings, Woodwinds, Brass

- Program X: Percussion

- Program Y: Strings, Woodwinds, Brass

- Program Z: Percussion

- Professional Sequence Entrance Review

Honors In Major
- Program A: Strings, Woodwinds, Brass
  - Sophomore Year - Fall
    - MVC 1111 Music History and Literature I 3 hrs
    - MUS 1010 Music Forum 0 hrs
    - Cultural & Historical Foundation 3 hrs
    - MVX 343X Performance III 3 hrs
    - MUX 3/4XXX Restricted Electives 3 hrs
    - MUN XXXX Major Ensemble 1 hr
    - MUN XXXX Minor Ensemble 1 hr

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### UCF Degree Programs

#### Junior Year - Fall
- **MUH 3211**  Music History and Literature I  3 hrs
- **MVP 3431**  Percussion III  2 hrs
- **MUS 1010**  Music Forum  0 hrs
- **MUN 3443**  Percussion Ensemble  1 hr
- **MUT 4571**  Analysis of Twentieth-Century Music  3 hrs
- **Cultural & Historical Foundation**  3 hrs
- **MUX 3/4XXX**  Restricted Elective  3 hrs
- **MUN XXXX**  Major Ensemble  1 hr

16 hrs

#### Junior Year - Spring
- **MUH 3212**  Music History and Literature II  3 hrs
- **MUL 3400**  Piano Literature I  2 hrs
- **MUS 1010**  Music Forum  0 hrs
- **MUN 3453**  Piano Ensemble  1 hr
- **MUS 3953**  Recital Performance I  0 hrs
- **MUX 3/4XXX**  Restricted Electives  6 hrs

12 hrs

#### Senior Year - Fall
- **MVP 4441**  Percussion IV  4 hrs
- **MUS 1010**  Music Forum  0 hrs
- **MVP 3630**  Percussion Pedagogy  2 hrs
- **Social Foundation**  3 hrs
- **Science Foundation**  3 hrs
- **MUN XXXX**  Major Ensemble  1 hr
- **Free Elective**  2 hrs

15 hrs

#### Senior Year - Spring
- **MVP 4441**  Percussion IV  4 hrs
- **MUS 1010**  Music Forum  0 hrs
- **MUS 4954**  Recital Performance II  0 hrs
- **Social Foundation**  3 hrs
- **MUX 3/4XXX**  Restricted Electives  3 hrs
- **Free Elective**  3 hrs

14 hrs

#### Program C: Piano

#### Freshman Year - Fall
- **ENC 1101**  Composition I  3 hrs
- **MUT 1121**  Music Theory and Musicianship I  4 hrs
- **MUN 3453**  Piano Ensemble  1 hr
- **MVK 1111**  Class Piano I  1 hr
- **MUS 1010**  Music Forum  0 hrs
- **MUH 3633**  Music in the United States  3 hrs
- **MVK 1411**  Piano I  2 hrs

14 hrs

#### Sophomore Year - Fall
- **SPC 1608**  Fundamentals of Oral Communication  3 hrs
- **MUT 2126**  Music Theory and Musicianship III  4 hrs
- **MUN 3453**  Piano Ensemble  1 hr
- **MVK 2121**  Class Piano III  1 hr
- **MUS 1010**  Music Forum  0 hrs
- **MUX 3104**  Basic Conducting  2 hrs
- **MVK 2421**  Piano II  2 hrs
- **Select from GEP C.2**  3 hrs

16 hrs

#### Sophomore Year - Spring
- **MUT 2127**  Music Theory and Musicianship IV  4 hrs
- **MUN 3453**  Piano Ensemble  1 hr
- **MVK 2122**  Class Piano IV  1 hr
- **MUS 1010**  Music Forum  0 hrs
- **MUG 1106**  Finite Mathematics  3 hrs
- **MUL 2720**  Music of the World  3 hrs
- **Professional Sequence Entrance Review**

12 hrs

#### Senior Year - Fall
- **MUS 1010**  Music Forum  0 hrs
- **MUN 3453**  Piano Ensemble  1 hr
- **MVK 4640**  Piano Pedagogy I  2 hrs
- **MVK 4441**  Piano IV  4 hrs
- **Social Foundation**  3 hrs
- **Science Foundation**  3 hrs
- **Free Elective**  2 hrs

14 hrs

#### Senior Year - Spring
- **MUS 1010**  Music Forum  0 hrs
- **MUS 4954**  Recital Performance II  0 hrs
- **MUG 3104**  Basic Conducting  2 hrs
- **Select from GEP C.2**  3 hrs

14 hrs

### Program D: Guitar

#### Freshman Year - Fall
- **ENC 1101**  Composition I  3 hrs
- **MUT 1122**  Music Theory and Musicianship II  4 hrs
- **MUN 3453**  Piano Ensemble  1 hr
- **MVK 1112**  Class Piano II  1 hr
- **MUS 1010**  Music Forum  0 hrs
- **MUH 3633**  Music in the United States  3 hrs

17 hrs

#### Sophomore Year - Fall
- **SPC 1608**  Fundamentals of Oral Communication  3 hrs
- **MUT 2126**  Music Theory and Musicianship III  4 hrs
- **MUN 3457**  Guitar Ensemble  1 hr
- **MVK 2121**  Class Piano III  1 hr
- **MUS 1010**  Music Forum  0 hrs
- **MUG 3104**  Basic Conducting  2 hrs
- **Select from GEP C.2**  3 hrs

16 hrs

#### Sophomore Year - Spring
- **MUT 2127**  Music Theory and Musicianship IV  4 hrs
- **MUN 3457**  Guitar Ensemble  1 hr
- **MVS 2426**  Guitar II  2 hrs
- **MVK 2122**  Class Piano IV  1 hr
- **MUS 1010**  Music Forum  0 hrs
- **MUG 1106**  Finite Mathematics  3 hrs
- **MUL 2720**  Music of the World  3 hrs
- **Professional Sequence Entrance Review**

14 hrs
<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year - Fall</td>
<td>15 hrs</td>
<td>ENC 1101 Composition I, MUS 1250 IPA for Singers, MVK 1112 Class Piano II, MUS 1010 Music Forum, MUH 3633 Music in the United States, MVV 1411 Voice I, MUN XXXX Major Ensemble</td>
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<tr>
<td>Freshman Year - Spring</td>
<td>16 hrs</td>
<td>ENC 1102 Composition II, MUS 1255 German and English Lyric Diction, MVK 1112 Class Piano II, MUS 1010 Music Forum, MUS 2360C Introduction to Music Technology, MVV 1411 Voice I, MUN XXXX Major Ensemble</td>
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</table>

**Program Academic Learning Compacts**

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

**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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

College of Arts and Humanities

Department of Music,

Performing Arts Center - Music, Room: M203

http://music.cah.ucf.edu/

Email: musicaud@ucf.edu

Dr. Kelly Miller, Kelly.Miller@ucf.edu, 407-823-4545

**Admission Requirements**

**Music Education**

- **Audition.** To be accepted in to Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- **Memorization is required for pianists and vocalists.**
- **Accompanists are provided for vocalists only.**
- **Each candidate must bring his/her own audition music.**
- **The department will only provide large instruments such as a tuba, string, bass, or timpani for these auditions.**
- **The audition will serve as a placement exam for accepted candidates.**
- **Refer to the UCF Music Department website for specific audition requirements.**
- **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.
### UCF Degree Programs

**Admission Requirements - Professional Program**

- Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for Fall semester admission and September 15 for Spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty.

To apply for the Music Education Professional Program, students must:

- Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, MUT 2126, first semester of Performance II.
- Have a minimum overall GPA of 2.5 and a grade of “C” (2.0) or better in each performance, education, and music education course.
- Have on file in the University admissions office passing scores on the General Knowledge Test of the Florida Teacher Competency Examination.
- Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).

To be accepted into the Music Education Professional Program students must:

- Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).
- Complete MVK 2122, MUT 2127, and two semesters of Performance II.

**Notes:**

1. Students may not enroll in Performance III or Professional Program courses unless all requirements for admission are satisfied.
2. Students who change degree programs and select this major must adopt the most current catalog.
3. Common program prerequisites are subject to revision based on changes Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.5.086, Approval of Pre-service Teacher Preparation Programs.

**Degree Requirements**

- A cumulative minimum GPA of 3.00 based upon all courses required in the major as well as all courses taken in music is required. Failure to maintain this standard may result in program probation or dismissal. Please refer to the SPA Student Handbook (http://performingarts.cah.ucf.edu/music/resources) for details on program standards.

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

(See General Education Program for detailed information)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1: Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Take all of the following: 6 hrs

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

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MUH 3212 Music History and Literature II 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Required MUL 2720 Music of the World 3 hrs</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested MGF 1106 Finite Mathematics or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Suggested MGF 1107 Explorations in Mathematics or 3 hrs</td>
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<tr>
<td>You may substitute a higher level math with appropriate scores on the Math Placement Exam.</td>
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<table>
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<tr>
<th>Statistics - Computers</th>
<th>3 hrs</th>
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<tbody>
<tr>
<td>Select a course from GEP C.2 list 3 hrs</td>
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**D: Social Foundations**

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<th>(6 hrs)</th>
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<tbody>
<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present 3 hrs</td>
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<tr>
<td>Prefer PSY 2012 General Psychology 3 hrs</td>
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</table>

**E: Science Foundations**

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<th>(6 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Prefer PSC 1121 Physical Science 3 hrs</td>
</tr>
</tbody>
</table>

**2. Common Program Prerequisites (CPP) (38 hrs)**

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

| MUE 2040 Introduction to Music Education 2 hrs |
| MUE 3693 Technology in Music Education 2 hrs |
| EDF 2065 Introduction to Diversity for Educators 3 hrs |
| MUT 1121 Music Theory and Musicianship I 4 hrs |
| MUT 1122 Music Theory and Musicianship II 4 hrs |
| MUT 2126 Music Theory and Musicianship III 4 hrs |
| MUT 2127 Music Theory and Musicianship IV 4 hrs |
| MVK 2122 Class Piano IV 1 hr |
| MUS 1010 Music Forum 0 hrs |
| MVN XXXX Major Ensembles (4 semesters) 4 hrs |
| MVX 141X Performance I (2 semesters) 4 hrs |
| MVX 242X Performance II (2 semesters) 4 hrs |

**3. Core Requirements: Basic Level (5 hrs)**

| MUS 1010 Music Forum CPP |
| MUT 1121 Music Theory and Musicianship I CPP |
| MUT 1122 Music Theory and Musicianship II CPP |
| MUT 2126 Music Theory and Musicianship III CPP |
| MUT 2127 Music Theory and Musicianship IV CPP |
| MVK 2122 Class Piano IV CPP |
| MUS 3633 Music in the United States 3 hrs |
| MUL 2720 Music of the World GEP |
| MUN XXXX Major Ensembles (2 semesters) 2 hrs |
| MVX 141X Performance I (2 semesters) CPP |
| MVX 242X Performance II (2 semesters) CPP |

**4. Core Requirements: Advanced Level (29 hrs)**

| MUG 3104 Basic Conducting 2 hrs |
| MUH 3211 Music History and Literature I 3 hrs |
| MUH 3212 Music History and Literature II 3 hrs |
| MUE 3942 Music Internship I 3 hrs |
| MUE 3333 Music Learning Theory and Assessment 3 hrs |
| MUE 4311 Elementary School Music Methods 2 hrs |
| MVX 343X Performance III (2 Semesters) 4 hrs |

**5. Restricted Electives (26 hrs)**

- Music Education Specialty Area Courses and Professional Program Courses
- Complete one program

**Program A - Instrumental**

| MUE 2346 Vocal Techniques 1 hr |
| MUG 3302 Instrumental Conducting and Materials 2 hrs |
| MUE 4332 Secondary Instrumental Methods I 3 hrs |
| MUE 4943 Music Internship II 12 hrs |

**Select 1:**

| MUE 4337 Secondary Instrumental Methods II or 3 hrs |
| MUE 4441 String Methods 3 hrs |

**Select 5:**

| MUE 2450 Woodwind Techniques I or 1 hr |
| MUE 3451 Woodwind Techniques II or 1 hr |
| MUE 2460 Brass Techniques or 1 hr |
| MUE 3461 Brass Techniques II or 1 hr |
| MUE 2470 Percussion Techniques or 1 hr |
| MUE 2471 Percussion Techniques II or 1 hr |
| MUE 2440 String Techniques 1 hr |
UCF Degree Programs

Program B - Choral

MUS 1250 IPA for Singers 1 hr
MUG 3202 Choral Conducting and Materials 2 hrs
MVV 4640 Voice Pedagogy 2 hrs
MUE 4313 Secondary Choral Methods I 3 hrs
MUE 4335 Secondary Choral Methods II 3 hrs
MUE 4943 Music Internship II 12 hrs

Select 3: 3 hrs
MUE 2450 Woodwind Techniques I or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 3461 Brass Techniques II or 1 hr
MUE 2470 Percussion Techniques or 1 hr
MUE 2471 Percussion Techniques II or 1 hr
MUE 2440 String Techniques 1 hr

Program C - Elementary School

MUE 2346 Vocal Techniques 1 hr
MUE 4333 Music and Students with Special Needs 2 hrs
MUE 3353 General Music Literature and Techniques 2 hrs
MUE 4331 Secondary Choral Methods I 3 hrs
MUE 4943 Music Internship II 12 hrs
MUG 3X02 Choral or Instrumental Conducting and 2 hrs
Materials

Select 4: 4 hrs
MUE 2450 Woodwind Techniques I or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 3461 Brass Techniques II or 1 hr
MUE 2470 Percussion Techniques or 1 hr
MUE 2471 Percussion Techniques II or 1 hr
MUE 2440 String Techniques 1 hr

6. Capstone Requirements

■ None

7. Foreign Language Requirements

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

Graduation
■ None

8. Electives

■ None

9. Additional Requirements

Admission to Internship I will be granted to students who meet the following requirements:

■ Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
■ Possess minimum overall GPA of 2.5
■ Possess minimum specialization GPA of 2.5
■ Achieve a “C” or better in all prerequisite methods/specialization courses
■ Complete a formal application for Internship I online (Deadlines: February 15 for fall semesters and September 15 for spring semester).
■ Current enrollment in or completion of Performance III (first semester).
■ Completion of Music Education prerequisites and Education Core Requirements.
■ Completion of 30 semester hours of General Education and Common Program courses.
■ Completion of all Specialty Area courses except Secondary Methods II (MUE 433X) and Music Internship II (MUE 4943).
■ Possess minimum professional preparation GPA of 2.5.
■ Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

Admission to Internship II will be granted to students who meet the following requirements:

■ Completion of all admission requirements for Internship I (see above).
■ Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
■ Completion of all music methods and techniques courses.
■ Completion of all General Education and Common Program courses.
■ Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements

■ Note: Contact the Music Education Advisor for details.
■ Students should register to take the General Knowledge Test of the Florida Teaching Certification Examination (FTCE) before the third semester of enrollment at UCF. (See http://www.fl.nesinc.com/ for test information).
■ Electronic Portfolio (MUE 4791). Students will develop an electronic portfolio while enrolled in upper division education courses and Internship II (MUE 4943). The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

Ensemble Participation

■ Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
■ Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
■ Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
■ Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
■ Native UCF students must take each Major Ensemble credit in separate semesters.
■ Students enrolled in a Performance course must concurrently enrolled in an appropriate major ensemble if accepted.

Recitals
Students must complete a faculty-approved public recital fulfilled by MUS 3953. Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

Music Education Forums

■ Attendance at all Music Education Forums (except during Internship I and II) is expected.

Public School Partnerships

Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in a variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

10. Required Minors

■ None
UCF Degree Programs

11. Departmental Exit Requirements
- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.

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

Total Semester Hours Required
- 132

Honors In Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-Major.

Related Programs
- Music
- Theatre

Certificates
- Florida Teaching Certification: Music K-12

Related Minors
- Music
- Theatre

Advising Notes
- Consult with the music education advisor for course selection

Transfer Notes
- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- NOTE: Education majors are required to take six hours (in addition to EDF 2085) that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Take General Knowledge Test after spring semester of Freshman Year.
- Apply for Professional Program after spring semester of Sophomore year.
- Take PET and Music Examination of FTCE after fall semester of Senior year.
- As indicated in the Plan of Study, all 3 remaining GEP classes will be taken during the summer semester of the Senior year.
- Program A - Instrumental Program K-12:

Freshman Year - Fall
- MUE 2040 Introduction to Music Education 2 hrs
- MUT 1121 Music Theory and Musicanship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUE 2346 Vocal Techniques 1 hr
- MUS 1010 Music Forum 0 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools GE
- GE

Freshman Year - Spring
- MUH 3633 Music in the United States 3 hrs
- MVK 1112 Class Piano II 1 hr
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MUS 1010 Music Forum 0 hrs
- GE
- GE
- MVX 141X Intro to Music Literature 3 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Sophomore Year - Fall
- MUT 2126 Music Theory and Musicanship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUL 2720 Music of the World 3 hrs
- MUE XXXX Techniques 1 hr
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Sophomore Year - Spring
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- MUT 2127 Music Theory and Musicanship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUH 3212 Music History and Literature II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUH 3212 Music History and Literature II 3 hrs
- MUE XXXX Techniques 1 hr
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Junior Year - Fall
- MUG 3104 Basic Conducting 2 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUE XXXX Techniques 1 hr
- MVX 343X Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Junior Year - Spring
- MUG 3302 Instrumental Conducting and Materials 1 hr
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- MUE 3693 Technology in Music Education 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUE 4335 Secondary Choral Methods II or 3 hrs
- MUE 4441 String Methods 3 hrs
- GE
- GE
- MVX 343X Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Senior Year - Fall
- ESE 3940 Internship I - Secondary 3 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- Students in Schools
- MUE 4311 Elementary School Music Methods 2 hrs
- GE
- CMENC
- CMENC

132
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**Program C - Elementary Program**

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**UNIVERSITY OF CENTRAL FLORIDA**

285 Undergraduate Catalog 2017-2018
Bachelor of Science (BS) in Nonprofit Management. The program provides opportunities for students to prepare for employment as nonprofit professionals and produces graduates with the management skills and analytical techniques needed for successful careers in nonprofit and related business fields.

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor on a regular basis.
- Students must earn at least a “C” (2.0) in each course accepted as a common prerequisite and Core Requirement (see sections 2, 3, and 4).
- No transfer course will be accepted with a grade lower than a “C” (2.0).
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- Students must earn a 2.5 GPA in the major (all PAD courses) in order to graduate.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
      Suggested GCS 1060C Introduction to Computers 3 hrs
   D: Social Foundations (6 hrs)
      Suggested SYG 2000 Introduction to Sociology 3 hrs
      Required: ECO 2013 Macroeconomic - OR - ECO 2023 Microeconomics 3 hrs
   E: Science Foundations (6 hrs)
      2. Common Program Prerequisites (CPP)
         Required ECO 2013 Macroeconomics --OR-- ECO 2023 Microeconomics 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (33 hrs)
- All core requirements must be completed with a minimum major GPA of (2.5) to satisfy the major.

CORE REQUIREMENTS 33 hrs
- PAD 3314 Principles of Management 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4144 Nonprofit Organizations 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 4148 Volunteer Management 3 hrs
- PAD 4153 Planning and Improvement for Public Organizations 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
1. PAD 3930 Nonprofit Leadership Seminar 3 hrs
2. PAD 4449 Cooperative Education 3 hrs

1 Capstone Requirement
2 Cooperative Education/Internship (requires 300 clock hours in the field over one semester)

5. Restricted Electives (24 hrs)
- Required Minor of 18 credit hours: 18 hrs
- Students must complete a minor. Students can choose from: Emergency Management and Homeland Security; Urban and Regional Planning; or other minor approved by the Undergraduate Program Director excluding Public Administration and Nonprofit Management.
- Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs within that minor.
- Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, or statistics. Electives can also be taken from nonprofit sector “service area” concentrations such as: youth services, eldercare, environment, education, the arts, etc. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
- 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 courses (six credit hours).

6. Capstone Requirements
- PAD 3930 Nonprofit Leadership Seminar

7. Foreign Language Requirements

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

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to two semesters or one year at the college level, beyond University requirement. ASL I, II and III can also be used to fulfill this requirement.
8. Electives
- Students are encouraged to select courses as electives or other course that will enhance their background in the nonprofit sector. These may be used to build minors and certificates offered by the University. Examples include: Accounting; Criminal Justice; Diversity and Social Inequality; Emergency Management and Homeland Security; Global Peace and Security Studies; Health Services Administration; Human Services; Legal Studies; Urban and Regional Planning; and Writing and Rhetoric.
- Electives can also be taken from nonprofit sector “service area” concentrations such as: youth services, eldercare, environment, education, the arts, etc. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).

9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor or certificate from the School of Public Administration offered at UCF or another minor approved by the Undergraduate Program Director. Minors in the School of Public Administration can include 1) Emergency Management and Homeland Security and 2) Urban and Regional Planning. Students majoring in Nonprofit Management cannot minor in Nonprofit Management or Public Administration. Other approved minors include: Criminal Justice; Diversity and Social Inequality; Global Peace and Security Studies; Health Services Administration; Human Services; Legal Studies; and Writing and Rhetoric.

11. Departmental Exit Requirements
- The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2, 3, and 4 above).
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, 4, and 5 above).
- Students must earn a 2.5 GPA in the major in order to graduate.

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

Total Semester Hours Required
- 120

Honors in Major
- Admission: Applications to the Honors in the Major program must be approved by the Associate Dean of the Honors College and a Faculty Advisor in the School of Public Administration.

Related Programs
- Business Administration
- Criminal Justice
- Health Services Administration
- Legal Studies
- Public Administration
- Social Work

Certificates
- None

Related Minors
- Criminal Justice
- Diversity and Social Inequality
- Emergency Management and Homeland Security
- Global Peace and Security Studies
- Health Services Administration
- Human Services
- Legal Studies
- Urban and Regional Planning
- Writing and Rhetoric

Advising Notes
- 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.
- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.

Transfer Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements and the common program prerequisites.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be formally evaluated for equivalency credit. The student must provide a course syllabus and any additional supporting documentation with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for the School of Public Administration programs include Macroeconomics (ECO 2013) or Microeconomics (ECO 2023).
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the Nonprofit Management program. Only grades of “C” (2.0) higher will transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Although all classes are listed as being taken during the academic year, you may take classes during the summer semester.
- This is one of numerous possible plans of study.

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- CGS 1060C Introduction to Computers 3 hrs
- SOW 2020 Careers in Creating Social Change 3 hrs
- Free Elective 3 hrs
- GEP Cultural 3 hrs

**Freshman Year - Spring**
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

**Sophomore Year - Fall**
- STA 2014C Principles of Statistics 3 hrs
- ECO 2013 Macroeconomics OR ECO 2023 3 hrs
- Microeconomics 3 hrs
- GEP Historical 3 hrs
- GEP Science 3 hrs
- Free Elective 3 hrs

**Sophomore Year - Spring**
- GEP Historical 3 hrs
- GEP Communication 3 hrs
- GEP Science 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

**Junior Year - Fall**
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
- PAD 4144 Nonprofit Organizations 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- Approved Minor Course 3 hrs
- Approved Minor Course 3 hrs
Nursing (B.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu

Email: ucnurse@ucf.edu
Dr. Mary Lou Sole, Dean
Dr. Maureen Covelli, Associate Dean, Undergraduate
Dr. Kelly Allred, Undergraduate Coordinator
Patricia Leli, Clinical Education Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses. The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program. Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with an academic advisor. Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN).

The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program.
- Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
- Admission to the University must also be completed by the program application deadline.
- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- All applicants must have a minimum overall GPA of 3.0.
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- All applicants are encouraged to attend an information session, prior to submitting the application.

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

UCF Degree Programs

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
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<tbody>
<tr>
<td>PAD 4148 Volunteer Management</td>
<td>3 hrs</td>
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<tr>
<td>PAD 4720 Survey Research in Public Administration</td>
<td>3 hrs</td>
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<tr>
<td>PAD 4104 Administrative Theory</td>
<td>3 hrs</td>
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<td>Approved Minor Course</td>
<td>3 hrs</td>
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<tr>
<td>Supporting Upper-Division Elective OR BA Course</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>PAD 4153 Planning and Improvement for Public Organizations</td>
<td>3 hrs</td>
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<tr>
<td>PAD 3930 Nonprofit Leadership Seminar</td>
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<td>PAD 4204 Fiscal Management</td>
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<td>Approved Minor Course</td>
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<tr>
<td>Free Elective</td>
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<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>PAD 4325 Program Evaluation for Public and Nonprofit Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4949 Cooperative Education</td>
<td>3 hrs</td>
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<tr>
<td>Approved Minor Course</td>
<td>3 hrs</td>
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<tr>
<td>Supporting Upper-Division Elective OR BA Course</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution, and should be completed in the first 60 hours.
- A: Communication Foundations (9 hrs)
- B: Cultural & Historical Foundations (9 hrs)
- C: Mathematical Foundations (6 hrs)
- 1. Mathematics (3 hrs)
- You may substitute a higher level math with appropriate scores on the Math Placement Test. Prefer MAC 1105C College Algebra 3 hrs

2. Statistics (3 hrs)
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- 1. Economics/Political Science (3 hrs)
- 2. Social Sciences (3 hrs)
- Prefer PSY 2012 General Psychology or 3 hrs
- Prefer SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (8 hrs)
- 1. Physical Sciences (3 hrs)
- Suggested CHM 1032 General Chemistry 3 hrs

2. Life Sciences (4 hrs)
- Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information and possible substitutions.
- Some of these courses have prerequisites that must be taken first.
- Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.
- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at http://www.nursing.ucf.edu.
- MCB 2004C Microbiology for Health Professionals 4 hrs
- ZOO 3733C Human Anatomy 4 hrs
- PCB 3703C Human Physiology 4 hrs
- HUN 3011 Human Nutrition 3 hrs
- CHM 1032 General Chemistry GEP

Select 1: 3 hrs
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I GEP
UCF Degree Programs

11. Departmental Exit Requirements

- All courses in major must be "C" (2.0) or better.
- The UCF GPA must be 2.5 or above.
- The College of Nursing GPA must be 2.5 or above.

1 or other approved Science

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (62 hrs)

- Any variation from the following must be approved in advance by the College of Nursing.
  - NUR 3065  Health Assessment
  - NUR 3065L  Health Assessment Lab
  - NUR 3028  Essentials of Nursing Practice
  - NUR 3755L  Essentials of Nursing Practice Clinical
  - NUR 3028L  Essentials of Nursing Practice Lab
  - NUR 3616  Health Promotion Across the Lifespan
  - NUR 3616L  Health Promotion Across the Lifespan Clinical
  - NUR 3125  Pathophysiology for Nursing Practice
  - NUR 3445  Pharmacology for Nursing Practice
  - NUR 3225  Nursing Care of the Adult I
  - NUR 3225L  Nursing Care of the Adult I: Clinical
  - NUR 3816  Professional Nurse Seminar
  - NUR 3445L  Nursing Care of Families Clinical
  - NUR 3165  Nursing Research
  - NUR 4837  Health Care Issues, Policy, and Economics
  - NUR 4227  Nursing Care of the Adult II
  - NUR 4227L  Nursing Care of the Adult II: Clinical Practice
  - NUR 4535  Psychiatric Mental Health Nursing
  - NUR 4535L  Psychiatric Mental Health Clinical
  - NUR 4257  Introduction to Critical Care Nursing
  - NUR 4945L  Nursing Practicum
  - NUR 4828  Nursing Leadership, Management and Role Transition
  - NUR 4637  Public and Community Health Nursing
  - NUR 4637L  Public Health Nursing Clinical

Select 1: 3 hrs

- PSY 2012  General Psychology or
- SYG 2000  Introduction to Sociology

5. Restricted Electives (3 hrs)

Nursing Electives
- One College of Nursing elective

6. Capstone Requirements

- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives

- None

9. Additional Requirements

- Students pursuing a BS degree must meet the University foreign language admission requirements before admission.
- Mandatory Drug Screening is required prior to admission and “on demand” for continuation in the program. Students must:\n  - Complete all courses in major with at least a “C” (2.0) or “S” grade when appropriate.
  - Maintain a UCF GPA of 2.5 or above.
  - Maintain a College of Nursing GPA of 2.5 or above.

10. Required Minors

- None

11. Departmental Exit Requirements

- All courses in major must be “C” (2.0) or better.
- The UCF GPA must be 2.5 or above.
- The College of Nursing GPA must be 2.5 or above.

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors In Major

Honors Option Requires:
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs

- Health Services Administration
- Social Work
- Certificates
  - Aging Studies

Related Minors

- Psychology
- Health Sciences
- Health Services Administration

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Nursing courses and prerequisite courses transferred from private and out-of-state schools must be evaluated for equivalency credit and approved by the College of Nursing.
- The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions for Common Program
- Prerequisites may be acceptable if taken prior to transferring to UCF. Courses must be petitioned to the College of Nursing if not automatically approved.
- CHM 1032: May substitute a college Chemistry course or approved Science course.
- DEP 2004C: May substitute a Human Growth & Development across Life Span
- HUN 3011: May substitute a Human Nutrition course
- MCB 2004C: May substitute a General Microbiology course which has a lab.
- PCB 3703C: May take an Anatomy and Physiology sequence (AP I & II).
- PSY 2012: May substitute a General Psychology course.
- STA 2014C: May substitute a Statistics course.
- SYG 2000: May substitute an Introductory Sociology course.
- ZOO 3733C: May take an Anatomy and Physiology sequence (AP I & II).

Plan of Study

Freshman Year - Fall

- MAC 1105C  College Algebra  3 hrs
- BSC 2010C  Biology I  4 hrs
- GEP  3 hrs

Select 1: 3 hrs

- SYG 2000  Introduction to Sociology or
- PSY 2012  General Psychology

Freshman Year - Spring

- STA 2023  Statistical Methods I  3 hrs
- CHM 1032  General Chemistry  3 hrs
- GEP  3 hrs

1 General Education or SLS 1501
Select 1: 3 hrs

- DEP 2004 Developmental Psychology or 3 hrs
- SOW 3104 Human Behavior and the Social Environment I 3 hrs

1 or STA 2014C

2 General Education Course

Freshman Year - Summer 4 hrs

- MCB 2004C Microbiology for Health Professionals 4 hrs

Sophomore Year - Fall 13 hrs

- ZOO 3733C Human Anatomy 4 hrs
- GEP 3 hrs
- HUN 3011 Human Nutrition 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 13 hrs

- PCB 3703C Human Physiology 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs

- NUR 3056 Health Assessment 2 hrs
- NUR 3056L Health Assessment Lab 1 hr
- NUR 3028 Essentials of Nursing Practice 3 hrs
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3616 Health Promotion Across the Lifespan 2 hrs
- NUR 3616L Health Promotion Across the Lifespan Clinical 1 hr
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Junior Year - Spring 15 hrs

- NUR 3145 Pharmacology for Nursing Practice 3 hrs
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445 Nursing Care of Families 4 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 3816 Professional Nurse Seminar 1 hr

Junior Year - Summer 9 hrs

- NUR 3165 Nursing Research 3 hrs
- NUR 4835 Health Care Issues, Policy, and Economics 3 hrs
- NUR XXXX Nursing Elective 3 hrs

Senior Year - Fall 12 hrs

- NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs
- NUR XXXX Nursing Elective if needed 3 hrs

Senior Year - Spring 14 hrs

- NUR 4257 Introduction to Critical Care Nursing 3 hrs
- NUR 4945L Nursing Practicum 4 hrs
- NUR 4637 Public and Community Health Nursing 3 hrs
- NUR 4637L Public Health Nursing Clinical 1 hr
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs

Program Academic Learning Compacts

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

Equipment Fees

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - Concurrent A.S.N. to B.S.N. enrollment option (B.S.N.)

College of Nursing

UTWR- 3rd Floor

http://www.nursing.ucf.edu/

Email: ucfnurse@ucf.edu

Dr. Mary Lou Sole, Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Stephen Heglund, Concurrent Program Coordinator

Phone: 407-823-2744

A partnership between selected Florida College System institutions and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enroll in the RN to BSN program while completing the ASN program. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

Admission Requirements

- Acceptance to the University does not constitute admission to this program. Only students admitted to the Florida College System institution Nursing Programs are eligible for this enrollment option. Students must make separate application to UCF and the College of Nursing. Students are accepted into this program for their first semester of nursing and must progress according to a designated plan of study.
- Students must be accepted by UCF prior to the Concurrent A.S.N. to B.S.N. application deadline. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.
- Criminal background checks and drug screening may be required for all Concurrent students prior to their registering for the final practicum course NUR 4604L.

At the time of application, students must have:

- A cumulative GPA of 3.0 or above.
- Completed application to a Florida College System institution ASN Nursing program and the UCF College of Nursing and be admitted to the University by UCF Undergraduate Admissions.
- An AA degree from a Florida College System or State University System institution or have met ALL UCF General Education requirements prior to program start.
- Met UCF Foreign Language admission requirement prior to program start.
- Completed seven out of eight Common Program Prerequisite courses for UCF and all of the ASN nursing program’s prerequisites by application deadline with at least a grade of “C” (2.0) or better in each course.
- A satisfactory score on the standardized entry test(s) required by both programs.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- 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 (GEP)** (36 hrs)

   **A: Communication Foundations** (9 hrs)
   - Required: STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Required: MAC 1105C College Algebra 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Prefer: SYG 2000 Introduction to Sociology or SYG 2012 General Psychology 3 hrs

   **D: Social Foundations** (6 hrs)
   - Select 1: 3 hrs
     - STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs
     - STA 2023 Statistical Methods I or STA 2014C Principles of Statistics 3 hrs
     - SOW 3104 Human Behavior and the Social Environment I or DEP 2004 Developmental Psychology 3 hrs

   **E: Science Foundations** (7 hrs)
   - Select 1: 3 hrs
     - Required: BSC 2010C Biology I 4 hrs
     - Required: MAC 1105C College Algebra 3 hrs

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

   - Applicants should see a UCF Nursing Advisor for possible course substitutions.

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

   - MCB 2004C Microbiology for Health Professionals 4 hrs
     - Required: MAC 1105C College Algebra GEP

3. **Core Requirements: Basic Level**

   - None

4. **Core Requirements: Advanced Level** (57 hrs)

   - **Seminole State Concurrent Track** 28 hrs
     - NUR 3125 Pathophysiology for Nursing Practice 3 hrs
     - NUR 3806 Professional Socialization Seminar 1 hr
     - NUR 4257 Introduction to Critical Care Nursing 3 hrs
     - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
     - NUR 3616 Health Promotion Across the Lifespan 2 hrs
     - NUR 3165 Nursing Research 3 hrs
     - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
     - NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
     - NUR 4637 Public and Community Health Nursing 3 hrs
     - NUR 4604L Practicum in Community and Public Health 4 hrs
     - NUR 3125 Pathophysiology for Nursing Practice 3 hrs

   - **Valencia College Concurrent Track** 28 hrs
     - NUR 3125 Pathophysiology for Nursing Practice 3 hrs
     - NUR 3806 Professional Socialization Seminar 1 hr
     - NUR 3808 Professional Socialization Seminar 1 hr
     - NUR 3616 Health Promotion Across the Lifespan 2 hrs
     - NUR 3065 Health Assessment 2 hrs
     - NUR 3065 Health Assessment 2 hrs
     - NUR 3065L Health Assessment Lab 1 hr
     - NUR 3165 Nursing Research 3 hrs
     - NUR 4637 Public and Community Health Nursing 3 hrs
     - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
     - NUR 4628 Nursing Leadership, Management and Role Transition 3 hrs
     - NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs

### Upper Division Credit** 29 hrs

- Upper Division Credit may be met by Validation and RN License.

   - NUR 3028 Essentials of Nursing Practice 3 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 3445L Nursing Care of Families Clinical 2 hrs
   - NUR 4227L Nursing Care of the Adult II Clinical 3 hrs
   - NUR 4353L Psychiatric Mental Health Nursing 3 hrs
   - NUR 4353L Psychiatric Mental Health Clinical 2 hrs

5. **Restricted Electives** (3 hrs)

   - Any one upper division nursing elective

6. **Capstone Requirements**

   - None

7. **Foreign Language Requirements**

   - Admissions
     - None

8. **Graduation**

   - None

9. **Required Minors**

   - None

10. **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
    - Current licensure as an RN.

11. **University Minimum Exit Requirements**

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

12. **Total Semester Hours Required**

    - 120

**Honors In Major**

- See Nursing HIM Advisor

**Related Programs**

- Health Services Administration
- Social Work
- Certificates
- Aging Studies
UCF Degree Programs

Related Minors
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

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

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

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

Nursing - R.N. to B.S.N. Program (B.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
Email: ucnurse@ucf.edu

Dr. Stephen Heglund, RN to BSN Coordinator
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Mary Lou Sole, Dean
Phone: 407-823-2744

BSN completion program for individuals who are licensed RNs. Students must complete all university-wide graduation requirements (general education, foreign language, Gordon Rule, etc.). All courses are available online and some courses may be offered face-to-face as well. For more information, see http://distrib.ucf.edu/home and http://www.nursing.ucf.edu.

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
- Admission to the University must be completed by the program application deadline.
- All applicants must have graduated from an approved or accredited associate degree or diploma nursing program.
- All applicants must have current Licensure as an RN.
- All applicants must have completed the UCF General Education Program (GEP) requirements or completed an AA degree from a Florida College System or State University System institution or have no more than a total of 9 credit hours remaining to meet UCF General Education and/or Foreign Language graduation requirements.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline with at least a grade of “C” (2.0) or better in each course.
- All applicants must have a minimum overall GPA of 2.8.
- All 8 prerequisite courses must be completed before program begins.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System 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 or questions regarding Common Program Prerequisites (CPP) requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1) UCF General Education Program (GEP) and 7) Foreign Language Requirements must be completed prior to enrolling in the third semester in the BSN program. Students may have no more than 9 hours of outstanding coursework in these two areas at the time of admission.

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

A: Communication Foundations (9 hrs)
- Preferred  MAC 1105C  College Algebra 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required  STA 2014C  Principles of Statistics or 3 hrs
- Required  STA 2023  Statistical Methods I 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1:
  - Required  SYG 2000  Introduction to Sociology or 3 hrs
  - Required  PSY 2012  General Psychology 3 hrs

1 One of these courses is required to meet General Education requirements.

D: Science Foundations (6 hrs)
- Select a course from GEP Section D1. 3 hrs

Select 1:
- Required  BSC 2010C  Biology I 4 hrs
- Required  CHM 1032  General Chemistry 3 hrs
- Required  MAC 1105C  College Algebra 3 hrs

1 Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is a prerequisite for Nutrition(HUN 3011)

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

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

Select 1:
- Required  PSY 2012  General Psychology or GEP
- Required  SYG 2000  Introduction to Sociology or GEP
- Required  MCB 2004C  Microbiology for Health Professionals 4 hrs
- Required  CHM 1032  General Chemistry GEP
- Required  ZOO 3733C  Human Physiology 4 hrs
- Required  PCB 3703C  Human Physiology 4 hrs
- Required  HUN 3011  Human Nutrition 3 hrs

1 Also meets General Education Requirements: Applicants should see a UCF Nursing Advisor for possible course substitutions.
2 (or other approved Science) Also meets General Education Requirements: Applicants should see a UCF Nursing Advisor for possible course substitutions.
3 May take Anatomy and Physiology sequence (AP I & II) of eight total credits

3. Core Requirements: Basic Level
- None
4. Core Requirements: Advanced Level (56 hrs)

UCF Core 27 hrs

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<th>Course Title</th>
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<td>NUR 3055</td>
<td>Dimensions of Professional Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3125</td>
<td>Pathophysiology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3616</td>
<td>Health Promotion Across the Lifespan</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4004L</td>
<td>Practicum in Community and Public Health</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>Nursing for RNs</td>
<td></td>
</tr>
<tr>
<td>NUR 4828</td>
<td>Nursing Leadership, Management and Role</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Transition</td>
<td></td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Public and Community Health Nursing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Upper Division Credit 29 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 3445L</td>
<td>Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II: Clinical</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Practice</td>
<td></td>
</tr>
<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (3 hrs)

- Any one upper division nursing elective (NUR, NSP, NGR prefix)

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in third semester in the BSN program.

Graduation

- None

8. Electives

- variable to meet degree requirements

9. Additional Requirements

Progression Requirements:

- A criminal background check and mandatory Drug Screening may be required prior to any clinical course and "on demand" for continuation in the program.
- Complete all courses in major with at least a "C" (2.0).
- Maintain a UCF GPA of 2.5 or above.
- Maintain a College of Nursing GPA of 2.5 or above.
- Prior to third semester in the BSN program: 1) complete general education requirements or A.A. from a Florida College System or State University System institution; and 2) complete foreign language admission requirement.

Other:

- Selected courses may be offered at various Orlando and regional campuses.
- All RN to BSN courses are available online. Some classes and labs are also available in person on select campuses. Clinical practice requirements are completed in the student’s home community. For more information visit http://www.nursing.ucf.edu.
- A minimum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

10. Required Minors

- None

11. Departmental Exit Requirements

- Completion of all courses in major with a grade of “C” (2.0) or better
- Overall cumulative GPA of 2.5 or above

- College of Nursing GPA of 2.5 or above
- This program must be completed in no more than seven years from enrollment in the first BSN course within Core Requirements.

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors in Major

- Contact Program Coordinator or HIM Advisor

Related Programs

- Health Services Administration
- Social Work

Certificates

- Aging Studies

Related Minors

- Health Sciences
- Health Information Management
- Health Services Administration
- Psychology

Advising Notes

- Students are required to design an individual plan of study with an advisor. An example plan is noted below. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (30 hrs)

- assuming general education, foreign language, and nursing prerequisites are complete

Junior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3055</td>
<td>Dimensions of Professional Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3125</td>
<td>Pathophysiology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Junior Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 4637</td>
<td>Public and Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 4828</td>
<td>Nursing Leadership, Management and Role</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR/NSP XXX</td>
<td>Nursing Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Senior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 4604L</td>
<td>Practicum in Community and Public Health</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>Nursing for RNs</td>
<td></td>
</tr>
<tr>
<td>NUR 3616</td>
<td>Health Promotion Across the Lifespan</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts

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

Equipment Fees

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
## UCF Degree Programs

### Philosophy (B.A.)

**College of Arts and Humanities**  
**Department of Philosophy,**  
**Psychology Building, Room: 220**  
**Email:** Philosophy2@ucf.edu  
Dr. Don Jones, donjones@ucf.edu  
Phone: 407-823-2273

The B.A. program in Philosophy aims to provide students with the theoretical skills and knowledge to engage with the complex issues of our time. It centers on the principles of knowledge, responsibility, and society, and it provides students with opportunities to investigate the connections between intellectual pursuits and moral and public virtue.

### Admission Requirements
- **Degree Requirements**
  - None

- **Students who change degree programs and select this major must adopt the most current catalog.**
  - Students must earn at least a "C" (2.0) in each required course.
  - Co-op or internship credit cannot be used in this major without prior departmental approval.
  - Students should consult with a departmental advisor.
  - Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
  - Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td>PHI 2010 Introduction to Philosophy</td>
</tr>
</tbody>
</table>

**Select 2:**
- 6 hrs  
- HUM 2020 Encountering the Humanities or 3 hrs  
- HUM 2210 Humanistic Tradition I or 3 hrs  
- HUM 2230 Humanistic Tradition II or 3 hrs  
- REL 2300 World Religions or 3 hrs

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

<table>
<thead>
<tr>
<th>Math</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested</td>
<td>MGF 1106 Finite Mathematics or 3 hrs</td>
</tr>
<tr>
<td>Suggested</td>
<td>MGF 1107 Explorations in Mathematics or 3 hrs</td>
</tr>
</tbody>
</table>

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

#### Statistics-Computers

| 3 hrs | Select a course from GEP C.2 list | 3 hrs |

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

| U.S. History: 1877-Present | AMH 2020 | 3 hrs |

#### E: Science Foundations (6 hrs)

| 3 hrs | PHI 2010 Introduction to Philosophy | GEP |

**Select 2:**
- HUM 2020 Encountering the Humanities or 3 hrs  
- HUM 2210 Humanistic Tradition I or 3 hrs  
- HUM 2230 Humanistic Tradition II or 3 hrs  
- REL 2300 World Religions or 3 hrs

#### 2. Common Program Prerequisites (CPP)

- **None**

#### 3. Core Requirements: Basic Level (9 hrs)

| PHI 2010 Introduction to Philosophy | 3 hrs |

**Select 2:**
- HUM 2020 Encountering the Humanities or 3 hrs  
- HUM 2210 Humanistic Tradition I or 3 hrs  
- HUM 2230 Humanistic Tradition II or 3 hrs  
- REL 2300 World Religions or 3 hrs

#### 4. Core Requirements: Advanced Level (36 hrs)

| PHI 3083 Research Methods in Philosophy | 3 hrs |
| PHI 4938 Senior Research Seminar | 3 hrs |

1. To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

### Values and Society (6 hrs)

| PHI 2010 Introduction to Philosophy | GEP |

**Select 2:**
- 6 hrs  
- PHI 3670 Ethical Theory or 3 hrs  
- PHI 3626 Advanced Ethics in Science and Technology or 3 hrs  
- PHM 3401 Philosophy of Law or 3 hrs  
- PHI 3800 Aesthetics or 3 hrs  
- PHM 3123 Feminist Theories or 3 hrs  
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs  
- PHI 3825 Virtual Ethics or 3 hrs  
- PHI 4633 Ethics and Biological Science or 3 hrs  
- PHM 3100 Freedom and Justice or 3 hrs  
- PHI 3640 Environmental Ethics or 3 hrs  
- PHI 4031 Environmental Philosophy or 3 hrs  
- PHI 3701 Native American Philosophy or 3 hrs  
- PHI 3805 Contemporary Aesthetics or 3 hrs  
- PHI 3020 Philosophy of Love or 3 hrs  
- PHI 4673 Medical Ethics or 3 hrs  
- HUM 4823 Queer Theory in the Humanities or 3 hrs

### Being and Knowing (6 hrs)

| PHI 4500 Metaphysics or 3 hrs |
| PHI 4341 Ways of Knowing or 3 hrs |
| PHI 4300 Theories of Knowledge or 3 hrs |
| PHI 3700 Philosophy of Religion or 3 hrs |
| PHI 4400 Philosophy of Science or 3 hrs |
| PHI 3320 Philosophy of Mind or 3 hrs |
| PHI 3451 Philosophy of Psychology or 3 hrs |
| PHI 4420 Philosophy of Social Science or 3 hrs |
| PHI 3323 Minds and Machines: Philosophy of 3 hrs |
| Cognitive Science or |
| Phenomenology or |
| PHI 4221 Philosophy of Language or 3 hrs |

### Topics in Philosophy (3 hrs)

**Select 1:**
- 3 hrs

- Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.

| PHI 4931 Philosophy in the News or 3 hrs |
| PHI 4321 Philosophies of Embodiment: Mind/Body/Self or |
| PHM 3022 Sexuality, Gender & Philosophy or 3 hrs |
| PHI 3033 Philosophy, Religion, and the Environment or |
| PHI 4804 Critical Theory or 3 hrs |
| PHI 3783 Modernity as a Philosophical Problem or 3 hrs |
| PHI 3750 The Problem of Evil or 3 hrs |
| PHI 3720 Faith and Reason or 3 hrs |
| PHI 3803 Philosophy and Creativity or 3 hrs |
| REL 3111 Religion and Philosophy Through Film or 3 hrs |
| PHP 3760 Existentialism or 3 hrs |
| PHP 4330 Performance Theory or 3 hrs |
| PHI 4935 Topics in Philosophy of Mind or 3 hrs |
| PHP 4933 Key Concepts in Philosophy or 3 hrs |
| PHP 4931 Key Figures in Philosophy or 3 hrs |

5. Restricted Electives (6 hrs)

- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.
UCF Degree Programs

6. Capstone Requirements
   - None

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

   Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

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

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a "C" (2.0) or better in each required course.
    - Departmental Exit Exam in final semester, included in PHI 4938: Senior Research Seminar
    - To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

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

Total Semester Hours Required
- 120

Honors In Major
- Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:

   Core Requirements
      - Same requirements as for regular majors, but must include the following:
        - PHI 2101 Formal Logic I
        - 3 hrs

   Upper Division Restricted Electives
      - Same as requirement for regular majors

   Honors Thesis
      - PHI 4903H Honors Directed Reading I
      - PHI 4970H Undergraduate Honors Thesis
      - 3 hrs
      - 3 hrs

Additional Requirements
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
- Fulfill UCF requirements for Honors in the Major.
- Maintain UCF GPA of at least 3.2 and a Philosophy GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a "B" (3.0) or better in both of the following courses:
  - PHI 4933H Honors Directed Reading I
  - PHI 4970H Undergraduate Honors Thesis
  - 3 hrs
  - 3 hrs

Related Programs
- Humanities and Cultural Studies
- Religion and Cultural Studies
- None

Related Minors
- Cognitive Sciences
- Environmental Studies
- Humanities and Cultural Studies
- Religion and Cultural Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 16 hrs
- ENC 1101 Composition I
- HUM 2210 Humanistic Tradition I
- MGF 1106 Finite Mathematics
- PHI 2010 Introduction to Philosophy
- SPN 1120C Elementary Spanish Language and Civilization I
- 3 hrs
- 3 hrs
- 3 hrs
- 3 hrs
- 4 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II
- HUM 2230 Humanistic Tradition II
- Restricted Elective
- SPN 1121C Elementary Spanish Language and Civilization II
- GEP
- 3 hrs
- 3 hrs
- 3 hrs
- 4 hrs
- 3 hrs

Sophomore Year - Fall 15 hrs
- GEP
- GEP
- GEP
- Restricted Elective
- Restricted Elective
- Restricted Elective
- 3 hrs
- 3 hrs
- 3 hrs
- 3 hrs

Sophomore Year - Spring 15 hrs
- GEP
- GEP
- Restricted Elective
- Restricted Elective
- Restricted Elective
- 3 hrs
- 3 hrs
- 3 hrs
- 3 hrs

Junior Year - Fall 15 hrs
- PHI 3083 Research Methods in Philosophy
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- 3 hrs
- 3 hrs
- 3 hrs
- 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- 3 hrs
- 3 hrs
- 3 hrs
- 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- 3 hrs
- 3 hrs
- 3 hrs
- 3 hrs

Senior Year - Spring 15 hrs
- PHI 4938 Senior Research Seminar
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- 3 hrs
- 3 hrs
- 3 hrs
- 3 hrs

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
Photography (B.S.)
College of Arts and Humanities
School of Visual Arts and Design
(This program is offered at UCF at the Daytona Beach Campus)

http://svad.cah.ucf.edu/bsphotography
Phone: 386-506-4093

(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-Studio B.F.A. programs.) The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, school courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- Completion of an A.S. in Photographic Technology from Daytona State College or equivalent coursework.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 36 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design
- Students must earn at least a "C" (2.0) in each required upper level course and maintain an overall GPA of at least 2.0
- Upper-division electives, internship credit, and course substitutions must be approved by the program director.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (36 hrs)
- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific courses will depend on the general education courses completed as part of the articulated A.S., and will come from the following areas:

A: Communication Foundations (9 hrs)
1 Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
SPC 2600 Speech (A.S.) 3 hrs

B: Cultural & Historical Foundations (9 hrs)
1 Required ARH 2051 History of Western Art II 3 hrs

C: Mathematical Foundations (6 hrs)
If not already completed as part of the A.S. degree, after acceptance into the program.
Required MAC 1105C College Algebra or 3 hrs
MGF 2106 College Mathematics or 3 hrs
MGF 2107 Mathematics for Liberal Arts 3 hrs
Computer Science or Statistics 3 hrs

D: Social Foundations (6 hrs)
Political Science or Economics 3 hrs
Psychology or Sociology (If not already completed as part of the A.S. degree, after acceptance into the program.)

E: Science Foundations (6 hrs)
Physical Science 3 hrs
Life Science 3 hrs

2. Common Program Prerequisites (CPP)
- (Included in A.S. or B.S. requirements.)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Subject to change. Prerequisites have not been set by the state.
1 ARH 2051 History of Western Art II GEP
2 PGY 3651C Narrative Editorial Photography 3 hrs
PGY 1403C Fundamentals of Photography (Already included in A.S. requirements)

1 Already included in A.S. requirements.
2 Already included in B.S. requirements.

3. Core Requirements: Basic Level (49 hrs)
- Completed in the A.S. in Photographic Technology at Daytona State College, or equivalent coursework

4. Core Requirements: Advanced Level (33 hrs)
PGY 3002 Contemporary Photography 3 hrs
PGY 3205C Photographic Lighting Techniques 3 hrs
PGY 3276 The Professional Environment 3 hrs
PGY 3472C Photo Visualization 3 hrs
PGY 3633C Advanced Editorial Photography 3 hrs
PGY 3751C Videography 3 hrs
PGY 3821C Advanced Digital Photography 3 hrs
PGY 4033 Image, Culture, and Society 3 hrs
PGY 4226C Advanced Illustrative Photography 3 hrs
PGY 4471C Photography Thesis 3 hrs
PGY 3651C Narrative Editorial Photography CPP

Select one of the following courses:
CRW 3011 Creative Writing for Non-Majors or 3 hrs
ENC 3250 Professional Writing 3 hrs

5. Restricted Electives (6 hrs)
Select two of the following courses:
PGY 3451C Alternative Processes 3 hrs
PGY 3460 Museum and Gallery Practices 3 hrs
PGY 3703C Photography & the Web 3 hrs
PGY 4235C Professional Photographic Workshop 3 hrs
PGY 4493C Photography and Art 3 hrs
PGY 4941 Internship 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 127

Honors In Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-major.

Related Programs
- None

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Certificates
- None

Related Minors
- None

Advising Notes
- http://svad.cah.ucf.edu/bsphotography

Transfer Notes
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution have thereby satisfied UCF GEP requirements.
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Plan of Study

Freshman Year - Fall
Daytona State College - Photo Technology AS Degree
Program

Junior Year - Spring
Daytona State College - Photo Technology AS Degree
Program

Sophomore Year - Spring
Daytona State College - Photo Technology AS Degree
Program

Junior Year - Fall
PGY 3205C Photographic Lighting Techniques 3 hrs
PGY 3821C Advanced Digital Photography 3 hrs
PGY 3472C Photo Visualization 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Spring
PGY 3002 Contemporary Photography 3 hrs
PGY 3651C Narrative Editorial Photography 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Summer
ENC 3250 Professional Writing 3 hrs

Senior Year - Fall
PGY 3653C Advanced Editorial Photography 3 hrs
PGY 3751C Videography 3 hrs
PGY 4003 Image, Culture, and Society 3 hrs
PGY 4226C Advanced Illustrative Photography 3 hrs

Senior Year - Spring
PGY 3276 The Professional Environment 3 hrs
PGY 4471C Photography Thesis 3 hrs
PGY Restricted Elective 3 hrs
PGY Restricted Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Photonic Science and Engineering (B.S.P.S.E.)
College of Optics and Photonics
CREOL, Room: 108B
Phone: 407-823-6376

The Bachelor of Science in Photonic Science and Engineering degree is designed to prepare the next generation of engineers for the growing optics and photonics industry, which has a broad set of applications including manufacturing, healthcare, telecommunication, defense, security and entertainment. The program draws on UCF’s internationally recognized strengths in the field of optics and lasers and is matched to the strong photonics industry in Central Florida. The degree is offered jointly by the College of Optics and Photonics and the College of Engineering and Computer Science.

Admission Requirements
- Students who wish to declare their major in Photonic Science and Engineering must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.

Degree Requirements
- Majors in the B.S.P.S.E. degree are required to achieve a 2.250 or greater GPA for their engineering core courses, including STA 3032 and PHY 3101; together with the photonics courses required for the major, technical elective courses, and the senior design courses.
- Students in the Photonic Science and Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Photonic Science and Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors.
- Any student majoring in Photonic Science and Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Photonic Science and Engineering major will be subject to all probation conditions that applied at the time of exclusion.
- Students in the BSPSE Major must obtain a 2.0 or greater GPA in the following courses: EGN 3211, EEL 3004C, EEL 3123C, MAP 2302

1. UCF General Education Program (GEP)  (38 hrs)
- 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 College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.
UCF Degree Programs

### A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

#### Select 1: 3 hrs
- Suggested SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations 3 hrs

### B: Cultural & Historical Foundations (9 hrs)
- Suggested HUM 2020 Encountering the Humanities 3 hrs

### C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

### D: Social Foundations (6 hrs)
- Suggested AMH 2020 U.S. History: 1877-Present 3 hrs

#### Select 1: 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs
- Suggested THE 2002 Theatre Survey 3 hrs

#### Select one additional class from either Historical or Cultural Foundations 3 hrs

### E: Science Foundations (7 hrs)
- Required PHY 2046C General Physics Using Calculus I 4 hrs

#### Select 1: 4 hrs
- CHS 1440 Principles of Chemistry or CHM 2045C Chemistry Fundamentals I 4 hrs

#### Suggested MUL 2010 Enjoyment of Music or SPC 1608 Fundamentals of Oral Communication 3 hrs

### F: Photonics Requirements 28 hrs

#### 1 C (2.0) or better required.

### 5. Restricted Electives (12 hrs)
- Students must select at least 3 credit hours of restricted electives with the course prefix OSE. The remaining 9 hours may be taken from approved upper level photonics, engineering, physics, mathematics, or other related electives. All electives must be approved by the program advisor. See myKnight audit for a complete list of approved electives. If EGS 1006C and EGN 1007C are not completed, the restricted electives requirement increases to 14 hrs.

### 6. Capstone Requirements (6 hrs)
- OSE 4951 Senior Design I 3 hrs
- OSE 4952 Senior Design II 3 hrs

### 7. Foreign Language Requirements
- **Admissions**
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- **Graduation**
  - None

### 8. Electives

- **None**

### 9. Additional Requirements
- Photonic science and engineering students must earn at least 32 hours in residence at UCF. 24 of the 32 Residency hours must be at the 3000-5000 level, in courses taken from the College of Optics and Photonics at UCF and applicable to the degree program.

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- None

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

### Total Semester Hours Required
- 128

### Honors In Major
- None

### Related Programs
- Electrical Engineering
- Computer Engineering
- Physics

### Certificates
- None

### Advising Notes
- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours.
- Students are assumed to have knowledge of a higher level programming language (C preferred).
UCF Degree Programs

- Students in the BSPSE Major are required to take OSE-prefixed lab courses in the same semester as the corresponding lecture course.
- Prior to enrolling in OSE 3200, students are required to meet with the BSPSE Academic Advisor.

Transfer Notes
- Courses taken from Florida College System institutions 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.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only and without completion of these courses, restricted elective requirement increases to 14 credit hours.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGS 1006C Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHS 1440 Principles of Chemistry</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 1007C Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C General Physics Using Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>AMH 2020 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
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<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C General Physics Using Calculus II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3211 Engineering Analysis and Computation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 2302 Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3004C Electrical Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3101 General Physics Using Calculus III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 3200 Geometric Optics</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Summer</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3123C Networks and Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3350 Semiconductor Devices I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEE 3307C Electronics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>OSE 3052 Introduction to Photonics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 3052L Introduction to Photonics Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>EEL 3552C Signal Analysis and Analog Communication</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HUM 2020 Encountering the Humanities</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSE 3053 Electromagnetic Waves for Photonics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4410 Optoelectronics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4410L Optoelectronics Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>OSE 4520 Laser Engineering</td>
<td>3 hrs</td>
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<tr>
<td>OSE 4520L Laser Engineering Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>Restricted Elective (Suggested OSE 4240 Optics and Photonics Design)</td>
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<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
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</thead>
<tbody>
<tr>
<td>OSE 4470 Fiber-Optic Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4470L Fiber-Optic Communications Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>OSE 4891 Senior Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4930 Frontiers of Optics and Photonics</td>
<td>2 hrs</td>
</tr>
<tr>
<td>OSE 4830 Imaging and Display</td>
<td>3 hrs</td>
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<tr>
<td>OSE 4830L Imaging and Display Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>Social Foundation</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSE 4952 Senior Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term

Physics (B.S.)

College of Sciences
Department of Physics,
Physical Sciences, Room: 430
Email: physics@ucf.edu
Dr. Josh Colwell
Phone: 407-823-2325

Physics majors can select from five distinct specializations to earn their physics degree, as described below in Section 4, Core Requirements, Advanced. While the various specializations 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.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses taken that could meet major requirements.
- All attempts that could meet requirements are included in the major GPA calculation. All attempts of courses listed for the major taken beyond the minimum required are included in the GPA calculation (e.g., additional restricted electives).
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.

- Physics majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- AA transfer students are expected to have completed the following courses before enrolling as a Physics major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

CHM 2045C Chemistry Fundamentals I | 4 hrs
CHM 2046 Chemistry Fundamentals II | 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory | 1 hr
MAC 2311C Calculus with Analytic Geometry I | 4 hrs
MAC 2312 Calculus with Analytic Geometry II | 4 hrs
MAC 2313 Calculus with Analytic Geometry III | 4 hrs
PHY 2048C General Physics Using Calculus I | 4 hrs
PHY 2048C General Physics Using Calculus II | 4 hrs
UCF Degree Programs

1. UCF General Education Program (GEP) (38 hrs)
   - Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.
   - Required: 1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations (9 hrs)
   - Prefer: SPC 1603C Fundamentals of Technical Presentations
   - Take all of the following: 6 hrs
     - Required: ENC 1101 Composition I and ENC 1102 Composition II

B: Cultural & Historical Foundations (9 hrs)
   - Required: MAC 2311C Calculus with Analytic Geometry I and CHM 2041 Chemistry Fundamentals IB
   - Select one of the following sequences of courses:
     - A: Communication Foundations (9 hrs)
     - B: Cultural & Historical Foundations (9 hrs)
     - C: Mathematical Foundations (7 hrs)
     - D: Social Foundations (6 hrs)
     - E: Science Foundations (6 hrs)

1. Physical Science;
   - Required: PHY 2048C General Physics Using Calculus I
   - Select one of the following sequences of courses:
     - CHM 2045C Chemistry Fundamentals I
     - or
     - CHM 2040 Chemistry Fundamentals IA and CHM 2041 Chemistry Fundamentals IB
   - Take all of the following: 3 hrs
     - CHM 2046 Chemistry Fundamentals II
     - CHM 2046L Chemistry Fundamentals Laboratory
     - PHY 2048C General Physics Using Calculus I
     - PHY 2049C General Physics Using Calculus II

2. Life sciences;
   - Select from the E.2. GEP list:
   - Required: PHY 2048C General Physics Using Calculus I
   - Select 1 3 hrs
     - MAC 2311C Calculus with Analytic Geometry I
     - MAC 2312 Calculus with Analytic Geometry II
     - MAC 2313 Calculus with Analytic Geometry III
   - Restricted Electives: 6 hrs
     - Select 3 9 hrs

3. Core Requirements: Basic Level (36 hrs)
   - Required of all specializations.
   - In addition to those courses specified in the Common Program Prerequisites, students also must complete the following.
   - Core: Required, satisfies the CPP
     - CHM 2045C Chemistry Fundamentals I
     - or
     - CHM 2040 Chemistry Fundamentals IA and CHM 2041 Chemistry Fundamentals IB
     - Take all of the following:
       - CHM 2046 Chemistry Fundamentals II
       - CHM 2046L Chemistry Fundamentals Laboratory
       - PHY 2048C General Physics Using Calculus I
       - PHY 2049C General Physics Using Calculus II
     - Core: Additional requirements
       - MAP 2302 Ordinary Differential Equations I
       - PHY 3101 General Physics Using Calculus III
       - PHZ 3113 Introduction to Theoretical Methods of Physics
       - PHY 3220 Mechanics I
       - PHY 3513 Thermal and Statistical Physics
       - PHY 3323 Electricity and Magnetism I
       - PHY 4324 Electricity and Magnetism II
       - PHY 4604 Wave Mechanics I
       - PHY 4605 Wave Mechanics II
       - PHY 4912 Directed Independent Research (in area of specialization)
   - Laboratory Requirement 6 hrs
     - PHY 3802L Intermediate Physics Laboratory
     - And either
       - PHY 3752C Physics of Scientific Instruments or
       - PHY 3722C Physics Laboratory-Electronics
   - Required: 2048C 6 hrs

4. Core Requirements: Advanced Level
   - Select one specialization
     - 4.1. General Physics Specialization 18 hrs
       - PHY 4803L Advanced Physics Laboratory
     - - Restricted Electives: 6 hrs
       - Select from upper division PHY, PHZ, or AST courses
     - - Directed Electives: 9 hrs
       - Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.
     - 4.2. Materials Physics Specialization 18 hrs
       - Select 1 3 hrs
         - PHY 4803L Advanced Physics Laboratory
         - EEE 3356C Fabrication of Solid-State Devices
       - - Select 3 9 hrs
         - EEE 3350 Semiconductor Devices I
         - EGN 3365 Structure and Properties of Materials or
         - EMA 4413 Fundamentals of Electronic Materials or
         - CHM 3411L Physical Chemistry Laboratory
         - PHZ 5405 Condensed Matter Physics or
         - EEE 5352C Semiconductor Material and Device Characterization
     - - Directed Electives: 9 hrs
       - Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.
     - 4.3. Optics and Lasers Specialization 18 hrs
       - PHY 4424 Optics
     - - Select 2 6 hrs
       - EEL 4440 Optical Engineering or
       - PHY 4445 Lasers or
       - OSE 5203 Geometrical Optics or
       - OSE 5312 Light Matter Interaction or
       - OSE 5414 Fundamentals of Optoelectronic Devices
     - - Directed Electives: 9 hrs
       - Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.
     - 4.4. Computational Physics Specialization 19 hrs
       - PHZ 3151 Computer Methods in Physics
       - COP 3502C Computer Science I
       - COP 3503C Computer Science II
       - COT 4500 Numerical Calculus
     - - Directed Electives: 6 hrs
       - Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.
     - 4.5. Astronomy Specialization 18 hrs
       - AST 2002 Astronomy
     - - Select one 3 hrs
       - AST 4700 Experimental Methods in Astronomy or
       - AST 4762C Astronomical Data Analysis or
       - AST 5765C Advanced Astronomical Data Analysis
     - - and 6 hrs
       - Select from upper division AST courses
     - - Directed Electives: 6 hrs
       - Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

5. Restricted Electives
   - None
6. Capstone Requirements
   - None

7. Foreign Language Requirements
   **Admissions**
   - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   **Graduation**
   - None

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

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Grades below "C" (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
    - Students must achieve a minimum cumulative GPA of 2.0 in all courses taken that could meet major requirements.
    - All attempts that could meet requirements are included in the major GPA calculation. All attempts of courses listed for the major taken beyond the minimum required are included in the GPA calculation (e.g., additional restricted electives).
    - 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.

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

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Mathematics - Engineering/Physics Track
- Mathematics - Pure Track
- Electrical Engineering
- Mechanical Engineering

**Certificates**
- None

**Related Minors**
- Mathematics
- Physics
- Astronomy

**Advising Notes**
- None

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

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**Plan of Study**
- This is one of numerous possible plans of study.
- See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu
- Although all classes are listed during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

**Freshman Year - Fall**
- 14 hrs
  - MAC 2311C Calculus with Analytic Geometry I
  - CHM 2045C Chemistry Fundamentals I
  - GEP
  - GEP

**Freshman Year - Spring**
- 15 hrs
  - PHY 2048C General Physics Using Calculus I
  - MAC 2312C Calculus with Analytic Geometry II
  - CHM 2046C Chemistry Fundamentals II
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - Note: Lab may be taken later if seats are not available
  - GEP
  - GEP

**Sophomore Year - Fall**
- 17 hrs
  - PHY 2049C General Physics Using Calculus II
  - MAC 2313C Calculus with Analytic Geometry III
  - COP 2502C Computer Science I
  - GEP
  - GEP
  - GEP

**Sophomore Year - Spring**
- 15 hrs
  - PHY 3101C General Physics Using Calculus III
  - PHZ 3113 Introduction to Theoretical Methods of Physics
  - MAP 2302 Ordinary Differential Equations I
  - GEP
  - GEP
  - GEP

**Junior Year - Fall**
- 15 hrs
  - PHY 3802L Intermediate Physics Laboratory
  - PHY 3523C Electricity and Magnetism I
  - PHY 3513C Thermal and Statistical Physics
  - Core Course
  - Restricted Elective
  - Restricted Elective
  - Restricted Elective

**Junior Year - Spring**
- 15 hrs
  - PHY 3220C Mechanics I
  - PHY 4324C Electricity and Magnetism II
  - Restricted Elective
  - Restricted Elective
  - Restricted Elective
  - Restricted Elective
  - GEP
  - GEP

**Senior Year - Fall**
- 15 hrs
  - PHY 4604 Wave Mechanics I
  - PHY 4912 Independent Research
  - Restricted Elective
  - Restricted Elective
  - Free Elective
  - GEP

**Senior Year - Spring**
- 14 hrs
  - PHY 4605C Wave Mechanics II
  - Restricted Elective
  - Restricted Elective
  - Free Elective
  - Free Elective
  - Free Elective

**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 Fees**
- Part-Time Student: $12.40 per term
- Full-Time Student: $24.80 per term
UCF Degree Programs

Physics (B.A.)
College of Sciences
Department of Physics, Physical Sciences, Room: 430
Chair: Dr. Talat Rahman
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Elena Flitsiyan
Phone: 407-823-1156

Physics majors can select from two curricular options: BA in Physics, which gives students the flexibility to combine physics with another focus area in an interdisciplinary program, in particular Physics Education, Nanoscale Science and Technology, Biophysics, Information Technology/Data Science, Technical Writing; and BS in Physics, which is intended to prepare students for the study of physics or a closely related subject in graduate school. In consultation with their academic advisors, students can choose between Option I and II by the end of the sophomore year.

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.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses taken that could meet major requirements.
- All attempts that could meet requirements are included in the major GPA calculation. All attempts of courses listed for the major taken beyond the minimum required are included in the GPA calculation (e.g., additional restricted electives).
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
- Physics majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first sixty hours.
- AA transfer students are expected to have completed the following courses before enrolling as Physics major.

These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

1. UCF General Education Program (GEP) (39 hrs)

Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)

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

Take all of the following: 6 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer PHI 2010 Introduction to Philosophy 3 hrs
Prefer HUM 2210 Humanistic Tradition I 3 hrs
Prefer HUM 2220 Humanistic Tradition II 3 hrs

C: Mathematical Foundations (7 hrs)

Required
MAC 2311C Calculus with Analytic Geometry I 4 hrs
Suggested
STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Prefer ECO 2023 Principles of Microeconomics 3 hrs
Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (8 hrs)

Required
PHY 2048C General Physics Using Calculus I 4 hrs
PHY 2049C General Physics Using Calculus II 4 hrs

Select one of the following sequences of courses:

- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:

- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- PHY 2048C General Physics Using Calculus I 4 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs

3. Core Requirements: Basic Level (24 hrs)

In addition to those courses specified in the Common Program Prerequisites, students also must complete the following:

Core: Required, satisfies the CPP

CHM 2045C Chemistry Fundamentals I 4 hrs

-or

CHM 2040 Chemistry Fundamentals IA and 6 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

-and

MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II GEP
MAC 2313 Calculus with Analytic Geometry III GEP
1 PHY 2048C General Physics Using Calculus I GEP
2 PHY 2049C General Physics Using Calculus II GEP

1 With Department permission this course can be substituted by PHY 2053C.
2 With Department permission this course can be substituted by PHY 2054C.

4. Core: Additional requirements

PHY 3101 General Physics Using Calculus III 3 hrs
PHY 3220 Mechanics I 3 hrs
PHY 3513 Thermal and Statistical Physics 3 hrs
PHY 3323 Electricity and Magnetism I 3 hrs
PHY 4604 Wave Mechanics I 3 hrs
PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs

Laboratory Requirements

PHY 3802L Intermediate Physics Laboratory 3 hrs
## UCF Degree Programs

### 4. Core Requirements: Advanced Level
- **Select one specialization**

### 4.1 Education
- **Students in this specialization must declare and be admitted to the Science Education Minor.**

#### Required: 18 hrs
- PHY 4012: Teaching Introductory Physics 3 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 ESL 3 hrs
- SCE 4360: Science Instructional Analysis 4 hrs
- SCE 4361: Programs in Teaching Science 3 hrs

#### Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses or approved education courses to fulfill a double major or a minor in Science Education - Physics.
- The courses will be selected with advisor approval.

### 4.2 Nanoscale Science and Technology

#### Required: 12 hrs
- PHZ 3462: Nanoscience I: The Science and Societal Impacts 3 hrs
- PHZ 3464: Nanoscience II: Technological Applications 3 hrs
- PHZ 3466: Nanoscience III: A Virtual Laboratory 3 hrs
- EMA 3691: Nanomaterials Process Engineering 3 hrs

#### Restricted electives: 9 hrs
- Select from upper division Physics, mathematics, chemistry, computer science or engineering courses.
- The elective courses will be selected with advisor approval.

#### Directed electives: 15 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

### 4.3 Biophysics

#### Required: 18 hrs
- BSC 2011C: Biology II 4 hrs
- CHM 2210: Organic Chemistry I 3 hrs
- CHM 2211: Organic Chemistry II 3 hrs
- CHM 2211L: Organic Laboratory Techniques I 2 hrs
- MCB 1310: Introduction to Biotechnology and Genetic Engineering 3 hrs
- BSC 3424: Nanobiotechnology 3 hrs
- PHY 3570: Physics of Nanoelectronics Devices 3 hrs

#### Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

### 4.4 Information Technology / Data Science

#### Required: 18 hrs
- COP 3223C: Introduction to Programming with C 3 hrs
- COP 3502C: Computer Science I 3 hrs
- COP 3300: Object Oriented Programming 3 hrs
- COP 4710: Database Systems 3 hrs
- CIS 3362: Cryptography and Information Security 3 hrs

#### Select 1:
- COT 3100C: Introduction to Discrete Structures or Foundations of Discrete Math 3 hrs

#### Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

### 4.5 Technical Writing

#### Required: 15 hrs
- ENC 3250: Professional Writing 3 hrs
- ENC 3314: Writing and Rhetoric Foundations 3 hrs
- ENC 4262: International Technical Communication 3 hrs

#### Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

#### Directed electives: 6 hrs
- Select 6 credits from the following, or other approved upper division computer science, mathematics or engineering courses.
- The elective courses will be selected with advisor approval.

### 5. Restricted Electives
- None

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement

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

### 8. Electives
- None

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses taken that could meet major requirements.
UCF Degree Programs

 colossal attempts that could meet requirements are included in the major GPA calculation. All attempts of courses listed for the major taken beyond the minimum required are included in the GPA calculation (e.g., additional restricted electives).

- Students will be required to take a nationally normed test in Physics during their last year.
- Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee.

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

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test ~ http://ufc.sdes.ucf.edu/math
- Although all classes are listed during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- GEP 4 hrs
- GEP 3 hrs

Freshman Year - Spring
- MAC 2312C Calculus with Analytic Geometry II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Note: Lab may be taken later if seats are not available.
- GEP 3 hrs

Sophomore Year - Fall
- PHY 2049C General Physics Using Calculus II 4 hrs
- MAC 2313C Calculus with Analytic Geometry III 4 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- PHY 3101 General Physics Using Calculus III 3 hrs
- PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall
- PHY 302L Intermediate Physics Laboratory 3 hrs
- PHY 3323 Electricity and Magnetism I 3 hrs
- PHY 3513 Thermal and Statistical Physics 3 hrs
- Directed Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring
- PHY 3220 Mechanics I 3 hrs
- Restricted Elective 3 hrs
- Directed Elective 3 hrs
- Directed Elective 3 hrs
- GEP 3 hrs

Senior Year - Fall
- PHY 4604 Wave Mechanics I 3 hrs
- Restricted Elective 3 hrs
- Directed Elective 3 hrs
- Directed Elective 3 hrs
- Free Elective 1 hr

Senior Year - Spring
- Restricted Elective 3 hrs
- Directed Elective 3 hrs
- Directed Elective 3 hrs
- Free Elective 3 hrs
- Directed Elective 3 hrs
- Physics Test - Nationally Normed 3 hrs

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

Political Science (B.A.)

College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu

Email: politics@ucf.edu
Dr. Kerstin Hamann
Phone: 407-823-2608

This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ucf.edu/online for more information.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
UCF Degree Programs

- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Double major/dual degree policy in Political Science programs and minors

1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:
   - POS 2041 American National Government 3 hrs
   - POS 3703 Scope and Methods of Political Science 3 hrs
2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except the following:
   - POS 2041 American National Government 3 hrs
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.

1. UCF General Education Program (GEP) (36 hrs)
   - Communication Foundations (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - Prefer ENC 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     - For Track 1 (American Politics) students
       - Prefer ANH 1000 U.S. History: 1492-1877 3 hrs
     - For Track 2 (Int'l & Comp) students:
       - Prefer EUH 2001 Western Civilization I or 3 hrs
       - Prefer WOH 222 World Civilization II 3 hrs
     - Select two courses from B.2 6 hrs
   - C: Mathematical Foundations (6 hrs)
     - 1. Math 3 hrs
       - Prefer MGF 1106 Finite Mathematics or 3 hrs
       - Prefer MGF 1107 Explorations in Mathematics or 3 hrs
     - You may substitute a higher level math with appropriate scores on the Math Placement Test.
     - 2. Statistics 3 hrs
       - Prefer STA 2014C Principles of Statistics or 3 hrs
       - May substitute a higher level Statistics course. 3 hrs
   - D: Social Foundations (6 hrs)
     - Required POS 2041 American National Government 3 hrs
     - Select from GEP D.2 list 3 hrs
   - E: Science Foundations (6 hrs)
     - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level
   - Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

4. Core Requirements: Advanced Level (18 hrs)
   - Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

5. Restricted Electives (12 hrs)
   - Choose one of the following tracks.
   - Track 1: American Politics and Policy
     - Two courses from Area A 6 hrs
     - Two courses from any Area 6 hrs
   - Track 2: International Relations-Comparative Politics
     - Two courses from Area B 6 hrs
     - Two courses from any Area 6 hrs
   - Track 3: Prelaw
     - Please see Political Science - Prelaw Track

Areas of Specialization

A. American Politics and Policy Area

1. POS 3076 American Indian Politics or 3 hrs
2. POS 3122 State Government and Public Policy or 3 hrs
3. POS 3173 Southern Politics or 3 hrs
4. POS 3162 Florida Politics or 3 hrs
5. POS 3233 Public Opinion or 3 hrs
6. POS 3234 Protest in American Politics or 3 hrs
7. POS 3235 Mass Media and Politics or 3 hrs
8. POS 3258 Politics in Film or 3 hrs
9. POS 3273 Voting and Elections or 3 hrs
10. POS 3272 Civic Engagement or 3 hrs
11. POS 3413 The American Presidency or 3 hrs
12. POS 3424 Congress and the Legislative Process or 3 hrs
13. POS 3443 Political Parties and Processes or 3 hrs
14. POS 3463 Interest Groups or 3 hrs
15. POS 3733 Designing Political Science Research or 3 hrs
16. POS 4030 The Politics of Sports or 3 hrs
17. POS 4074 Latino Politics or 3 hrs
18. POS 4142 Metropolitan Politics or 3 hrs
19. POS 4204 Political Behavior or 3 hrs
20. POS 4244 Political Socialization or 3 hrs
21. POS 4284 Judicial Process and Politics or 3 hrs
22. POS 4412 Presidential Campaigning or 3 hrs
23. POS 4603 American Constitutional Law I or 3 hrs
24. POS 4604 American Constitutional Law II or 3 hrs
25. POS 4622 Politics and Civil Rights or 3 hrs
26. POS 4764 GIS for Political Analysis or 3 hrs
27. PUP 3203 Environmental Politics or 3 hrs
28. PUP 3204 Sustainability or 3 hrs
29. PUP 3314 Minorities in American Politics or 3 hrs
30. PUP 4003 American Public Policy or 3 hrs
31. PUP 4209 Urban Environmental Policy or 3 hrs
32. PUP 4323 Women and Public Policy or 3 hrs
33. PUP 4404 Education and Politics or 3 hrs
34. PUP 4503 Government and Science or 3 hrs
35. PUP 4510 Space Policy or 3 hrs
36. PUP 4744 Government and Business or 3 hrs
37. PUP 4931 Topics in Public Policy or 3 hrs

B. International Relations and Comparative Government Area

1. CPO 3034 Politics of Developing Areas or 3 hrs
2. CPO 3057 Contemporary Revolution and Political Violence or 3 hrs
3. CPO 3103 Comparative Politics or 3 hrs
4. CPO 3104 Politics of Western Europe or 3 hrs
5. CPO 3132 Canadian Politics or 3 hrs
6. CPO 3403 Politics of the Middle East or 3 hrs
7. CPO 3614 Politics of Eastern Europe or 3 hrs
8. CPO 4062 Comparative Judicial Process or 3 hrs
9. CPO 4074 Political Economy or 3 hrs
10. CPO 4101 Politics of the European Union or 3 hrs
11. CPO 4123 Government and Politics of Great Britain or 3 hrs
12. CPO 4303 Comparative Latin American Politics or 3 hrs
13. CPO 4445 Comparative Political Parties or 3 hrs
14. CPO 4514 Politics of East Asia or 3 hrs
15. CPO 4541 Chinese Politics or 3 hrs
16. CPO 4553 Politics of Japan or 3 hrs
17. CPO 4643 Government and Politics of Russia or 3 hrs
18. CPO 4710 Women in Comparative Politics or 3 hrs
19. CPO 4731 Politics of Democratization or 3 hrs
20. CPO 4754 Comparative Political Institutions or 3 hrs
21. CPO 4784 Political and Economic Inequality in Comparative Perspective or 3 hrs
22. CPO 4794 Indigenous Politics and the Environment or 3 hrs
23. GEO 3471 World Political Geography or 3 hrs
UCF Degree Programs

INR 2002 International Relations-Theory and Practice or 3 hrs
INR 3016 Global Political Issues or 3 hrs
INR 3250 Politics of Pan-Africanism or 3 hrs
INR 3253 International Politics of Africa or 3 hrs
INR 4008 Global Perspectives or 3 hrs
INR 4011 Politics of Globalization or 3 hrs
INR 4030 Diplomacy or 3 hrs
INR 4035 International Political Economy or 3 hrs
INR 4054 Global Politics of Energy or 3 hrs
INR 4060 Causes of War or 3 hrs
INR 4063 The Cold War or 3 hrs
INR 4074 Immigration Policy or 3 hrs
INR 4075 Human Rights Policy or 3 hrs
INR 4076 Global Drug Policy or 3 hrs
INR 4084 Politics of International Terrorism or 3 hrs
INR 4085 Women, Gender, and Globalization or 3 hrs
INR 4102 American Foreign Policy or 3 hrs
INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
INR 4114 American Security Policy or 3 hrs
INR 4115 Strategic Weapons and Arms Control or 3 hrs
INR 4224 Contemporary International Politics of Asia or 3 hrs
INR 4225 The Vietnam War or 3 hrs
INR 4243 International Politics of Latin America or 3 hrs
INR 4274 International Politics of the Middle East or 3 hrs
INR 4304 Issues in International Public Policy or 3 hrs
INR 4335 Coercion in International Politics or 3 hrs
INR 4350 Global Environmental Politics or 3 hrs
INR 4351 International Environmental Law or 3 hrs
INR 4363 Intelligence Analysis and Reporting or 3 hrs
INR 4364 The Intelligence Community or 3 hrs
INR 4401 International Law or 3 hrs
INR 4404 Space Law or 3 hrs
INR 4502 International Organizations or 3 hrs
INR 4714 Politics of International Trade Policy or 3 hrs
INR 4744 Militaries in World Politics or 3 hrs
INR 4764 Cyberwarfare Policy or 3 hrs
INR 4765 Emerging Space Powers or 3 hrs
INR 4774 Military Space Policy or 3 hrs
POS 3733 Designing Political Science Research or 3 hrs
PUP 3014 Comparative Public Policy or 3 hrs
PUP 4510 Space Policy or 3 hrs

C. Political Theory Area 6 hrs
INR 4603 International Relations Theory or 3 hrs
POS 4206 Political Psychology or 3 hrs
POT 3204 American Political Thought or 3 hrs
POT 3302 Modern Political Ideologies or 3 hrs
POT 4003 Political Theory or 3 hrs
POT 4025 Ancient, Medieval and Early Modern Political Philosophy or 3 hrs
POT 4066 Contemporary Political Theory or 3 hrs
POT 4109 Politics and Literature or 3 hrs
POT 4305 Democracy, Capitalism, and the Individual or 3 hrs
POT 4314 Contemporary Democratic Theory or 3 hrs
POT 4331 Utopia/Dystopia or 3 hrs
POT 4345 Pan-Africanist Thought or 3 hrs
POT 4632 Religion and Politics or 3 hrs

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Met by graduation requirement
Graduation
Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

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

Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or a campaign headquarters.

No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in Political Science, provided that no more than 50% of an Area be covered by such credits.

Students who qualify for Senior Scholars Program may enroll in graduate-level courses to satisfy major requirements to take Area courses.

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
Students must maintain a minimum cumulative GPA of 2.0 in all courses taken in the major. If additional major courses are taken beyond the minimum required (e.g., additional restricted electives), those courses will be included in the GPA calculation.

Complete the Educational Testing Service Field Exam in Political Science during the student’s graduating semester while enrolled in the 0 credit Exit Exam Course.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
120

Honors In Major
Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in Political Science, provided that no more than 50% of an Area be covered by such credits.

Related Programs
Economics
History
Certificates
Diplomacy
Intelligence and National Security
Civics Teaching

Related Minors
Economics
History
Psychology
Sociology
Philosophy

Advising Notes
None

Transfer Notes
Lower division courses do not substitute for upper division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
### UCF Degree Programs

#### Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

#### Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Math, take Math Placement Test ~ http://ufc.sdes.ucf.edu
- You may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

#### Freshman Year - Fall
- POS 2041 American National Government 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- Foreign Language 4 hrs

#### Freshman Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP - Math 3 hrs
- Foreign Language 4 hrs

#### Freshman Year - Summer
- Restricted Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Sophomore Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs

#### Sophomore Year - Spring
- POS 3703 Scope and Methods of Political Science 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs

#### Junior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

#### Junior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

#### Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

#### Senior Year - Spring
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- POS 4961 Exit Exam 0 hrs

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

#### Equipment Fees
- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

### Political Science - Prelaw Track (B.A.)

**College of Sciences**

**Department of Political Science,**

Howard Phillips Hall, Room: 302

http://politicalscience.cos.ucf.edu/

**Email:** politics@ucf.edu

Dr. Roger Handberg

Phone: 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major. Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Sciences Prelaw Advisor. The following represent a suggested curriculum which both meets the requirements for a Political Science degree while preparing you for professional school.

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

#### Double major/dual degree policy in Political Science programs and minors
- Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses:
  - POS 2041 American National Government
  - POS 3703 Scope and Methods of Political Science
- Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

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

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

   **B: Cultural & Historical Foundations**
   - (9 hrs)
   - Select two courses from B 2.
     - 6 hrs
     - Select one:
       - (3 hrs)
       - Prefer AMH 2010 U.S. History: 1492-1877 or 3 hrs
       - Prefer EUH 2001 Western Civilization II or 3 hrs
       - Prefer WOH 2022 World Civilization II 3 hrs
## UCF Degree Programs

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

### Statistics:
- 3 hrs
- Preferred: STA 2014C Principles of Statistics or 3 hrs
- May substitute a higher level statistics course.

### D: Social Foundations (6 hrs)
- **Political Science**
  - Required: POS 2041 American National Government or 3 hrs
  - **Social Science**
  - Select one of the listed courses or 3 hrs
- **E: Science Foundations (6 hrs)**
  - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  - See Transfer Notes for possible substitutes for the following courses.
  - **Math:**
    - MGF 1106 Finite Mathematics or 3 hrs
    - MGF 1107 Explorations in Mathematics or 3 hrs
    - May substitute a higher level math with appropriate scores on the Math Placement Test.

### 3. Core Requirements: Basic Level
- **Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.**
- **POS 2041 American National Government or 3 hrs**

### 4. Core Requirements: Advanced Level (3 hrs)
- **Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.**
  - **POS 3703 Scope and Methods of Political Science or 3 hrs**
  - **POS 4961 Exit Exam (course during graduating semester)**

### 5. Restricted Electives (27 hrs)
- Select one from the following courses:
  - **POS 4803 American Constitutional Law I or 3 hrs**
  - **POS 4804 American Constitutional Law II or 3 hrs**
  - **INR 4401 International Law or 3 hrs**
- Take all of the following:
  - Two courses from area A and 6 hrs
  - Two courses from area B and 6 hrs
  - One course from area C and 3 hrs
  - Three courses from any 9 hrs

### Areas of Specialization

#### A. American Politics and Policy Area
- **POS 3076 American Indian Politics or 3 hrs**
- **POS 3122 State Government and Public Policy or 3 hrs**
- **POS 3173 Southern Politics or 3 hrs**
- **POS 3162 Florida Politics or 3 hrs**
- **POS 3233 Public Opinion or 3 hrs**
- **POS 3234 Protest in American Politics or 3 hrs**
- **POS 3235 Mass Media and Politics or 3 hrs**
- **POS 3258 Politics in Film or 3 hrs**
- **POS 3272 Civic Engagement or 3 hrs**
- **POS 3273 Voting and Elections or 3 hrs**
- **POS 3413 The American Presidency or 3 hrs**
- **POS 3424 Congress and the Legislative Process or 3 hrs**
- **POS 3443 Political Parties and Processes or 3 hrs**
- **POS 3463 Interest Groups or 3 hrs**
- **POS 3733 Designing Political Science Research or 3 hrs**
- **POS 4030 The Politics of Sports or 3 hrs**
- **POS 4074 Latino Politics or 3 hrs**
- **POS 4142 Metropolitan Politics or 3 hrs**
- **POS 4204 Political Behavior or 3 hrs**
- **POS 4244 Political Socialization or 3 hrs**
- **POS 4284 Judicial Process and Politics or 3 hrs**
- **POS 4412 Presidential Campaigning or 3 hrs**
- **POS 4603 American Constitutional Law I or 3 hrs**
- **POS 4604 American Constitutional Law II or 3 hrs**
- **POS 4622 Politics and Civil Rights or 3 hrs**
- **POS 4764 GIS for Political Analysis or 3 hrs**
- **PUP 3203 Environmental Politics or 3 hrs**
- **PUP 3311 Minorities in American Politics or 3 hrs**
- **PUP 4003 American Public Policy or 3 hrs**

### B. International Relations and Comparative Government Area

#### 2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the following courses.
  - **INR 3253 International Politics of Africa or 3 hrs**
  - **INR 4008 Global Perspectives or 3 hrs**
  - **INR 4011 Politics of Globalization or 3 hrs**
  - **INR 4030 Diplomacy or 3 hrs**
  - **INR 4035 International Political Economy or 3 hrs**
  - **INR 4054 Global Politics of Energy or 3 hrs**
  - **INR 4060 Causes of War or 3 hrs**
  - **INR 4063 The Cold War or 3 hrs**
  - **INR 4074 Immigration Policy or 3 hrs**
  - **INR 4075 Human Rights Policy or 3 hrs**
  - **INR 4076 Global Drug Policy or 3 hrs**
  - **INR 4084 Politics of International Terrorism or 3 hrs**
  - **INR 4085 Women, Gender, and Globalization or 3 hrs**
  - **INR 4102 American Foreign Policy or 3 hrs**
  - **INR 4104 Topics and Cases in American Foreign Policy or 3 hrs**
  - **INR 4114 American Security Policy or 3 hrs**
  - **INR 4115 Strategic Weapons and Arms Control or 3 hrs**
  - **INR 4224 Contemporary International Politics of Asia or 3 hrs**
  - **INR 4225 The Vietnam War or 3 hrs**
  - **INR 4243 International Politics of Latin America or 3 hrs**
  - **INR 4274 International Politics of the Middle East or 3 hrs**
  - **INR 4304 Issues in International Public Policy or 3 hrs**
  - **INR 4335 Coercion in International Politics or 3 hrs**
  - **INR 4350 Global Environmental Politics or 3 hrs**
  - **INR 4351 International Environmental Law or 3 hrs**
  - **INR 4363 Intelligence Analysis and Reporting or 3 hrs**
  - **INR 4364 The Intelligence Community or 3 hrs**
  - **INR 4401 International Law or 3 hrs**
  - **INR 4404 Space Law or 3 hrs**
  - **INR 4502 International Relations-Theory and Practice or 3 hrs**
  - **INR 4506 Cyberwarfare Policy or 3 hrs**
  - **INR 4510 Space Policy or 3 hrs**
  - **INR 4522 Contemporary International Politics of Asia or 3 hrs**
  - **INR 4714 Politics of International Trade Policy or 3 hrs**
  - **INR 4744 Military Policy or 3 hrs**
  - **INR 4764 Cyberwarfare Policy or 3 hrs**
  - **INR 4765 Emerging Space Powers or 3 hrs**
  - **INR 4774 Military Space Policy or 3 hrs**
  - **POS 3733 Designing Political Science Research or 3 hrs**
  - **PUP 3014 Comparative Public Policy or 3 hrs**
  - **PUP 4510 Space Policy or 3 hrs**
C. Political Theory Area

INR 4603 International Relations Theory or 3 hrs
POS 4206 Political Psychology or 3 hrs
POT 3204 American Political Thought or 3 hrs
POT 3302 Modern Political Ideologies or 3 hrs
POT 4003 Political Theory or 3 hrs
POT 4025 Ancient, Medieval and Early Modern Political Philosophy or
POT 4066 Contemporary Political Theory or 3 hrs
POT 4109 Politics and Literature or 3 hrs
POT 4305 Democracy, Capitalism, and the Individual or
POT 4314 Contemporary Democratic Theory or 3 hrs
POT 4331 Utopia/Dystopia or 3 hrs
POT 4345 Pan-Africanist Thought or 3 hrs
POT 4632 Religion and Politics 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

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

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.
- The following courses are not required, but serious students should consider taking these as free electives.
- Students who qualify for Senior Scholars Program may enroll in graduate level courses to satisfy major requirements to take Area courses.

ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
ENC 3250 Professional Writing 3 hrs
LIN 4105 History of the English Language 3 hrs
MTH 3302 Logic and Proof in Mathematics 3 hrs
PHI 2101 Formal Logic I 3 hrs
PLA 3108 Legal Research 3 hrs
PLA 3155 Legal Writing 3 hrs
POS 4941 Political Science Internship 3 hrs

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must maintain a minimum cumulative GPA of 2.0 in all courses taken in the major. If additional major courses are taken beyond the minimum required (e.g. additional restricted electives), those courses will be included in the GPA calculation.
- Complete the Educational Testing Service Field Exam in Political Science during the student’s graduating semester while enrolled in the 0 credit Exit Exam Course.

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

Total Semester Hours Required
- 120

Honors In Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs
- Economics
- History
- Philosophy
- Legal Studies
- Criminal Justice

Certificates
- Diplomacy
- Intelligence and National Security
- Civics Teaching

Related Minors
- Business
- Criminal Justice
- Diplomacy
- Economics
- English - Creative Writing
- English - Technical Communication
- History
- Human Communication
- Intelligence and National Security
- Legal Studies
- Mass Communication
- Philosophy
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu
- You may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
UCF Degree Programs

Freshman Year - Fall 13 hrs
POS 2041 American National Government 3 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
ENC 1101 Composition I 3 hrs
Biology: 3 hrs
E: Science Foundations (6 hrs)
Statistics: 3 hrs

Freshman Year - Spring 13 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1102 Composition II 3 hrs
STA 2014C Principles of Statistics 3 hrs
Foreign Language 4 hrs

Freshman Year - Summer 9 hrs
Restricted Elective 3 hrs
GEP 3 hrs

Sophomore Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
GEP 3 hrs
Supporting Elective 3 hrs

Sophomore Year - Spring 15 hrs
POS 3703 Scope and Methods of Political Science 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
GEP 3 hrs
Supporting Elective 3 hrs

Junior Year - Fall 15 hrs
POS 4284 Judicial Process and Politics 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs

Senior Year - Spring 13 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
POS 4961 Exit Exam 0 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

Psychology (B.S.)

College of Sciences
Department of Psychology
Psychology Building, Room: 301
http://psychology.cos.ucf.edu
Email: psychadvising@ucf.edu
Psychology Advising Center, PSY 250, 407-823-2219

This degree program may be completed online, although not all elective options or program prerequisites may be offered online.
Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ucf.edu/online for more information.

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog

Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department

Students must earn a grade of “C” (2.0) or better in each course used to satisfy the CPP, Core Requirements, Restricted Electives and Science Electives.

Students must maintain a minimum cumulative GPA of 2.0 in all courses satisfying major requirements. If additional Psychology courses are taken beyond the minimum required (e.g. additional restricted electives), those courses will be included in the GPA calculation.

Students can select only one Track.

Co-op or internship credit cannot be used in this major without prior approval

Students should consult with the Psychology Advising Center, prior to applying for graduation (before registration for the final term).

Graduating seniors should complete the senior exit survey

Additional requirements exist for students pursuing the Honors in the major program.

All prerequisites of courses taught within the College of Sciences will be enforced.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   Note: Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36.
   See Transfer Notes for possible substitutions.

   A: Communication Foundations (9 hrs)

   B: Cultural & Historical Foundations (9 hrs)

   C: Mathematical Foundations (6 hrs)

   Math: 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Test.
   Prefer MAC 1105C College Algebra 3 hrs

   Statistics: 3 hrs
   Required STA 2023 Statistical Methods I or 3 hrs
   Required STA 2014C Principles of Statistics 3 hrs

   D: Social Foundations (6 hrs)

   Social Sciences: 3 hrs
   Required PSY 2012 General Psychology 3 hrs

   Political Science/Economics 3 hrs
   Select one of the listed choices 3 hrs

   E: Science Foundations (6 hrs)

   Biology: 3 hrs
   Select the advanced option if additional biology courses are planned.
   Required BSC 1005 Biological Principles or 3 hrs
   Required BSC 2010C Biology I 4 hrs

   Physical or Chemical: 3 hrs
   Select one of the listed choices 3 hrs

   2. Common Program Prerequisites (CPP) (3 hrs)
   See Transfer Notes for possible substitutes for the courses listed below.

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

   Psychology:
   PSY 2012 General Psychology GEP
   DEP 2004 Developmental Psychology 3 hrs
## UCF Degree Programs

### Biology:
- Select the advanced course if additional biology courses are planned.
  - BSC 1005 Biological Principles or GEP
  - BSC 2010C Biology I

### Statistics:
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I or GEP

### 3. Core Requirements: Basic Level
- Most courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

### Psychology:
- PSY 2012 General Psychology or GEP

### Biology:
- BSC 1005 Biological Principles or GEP
- BSC 2010C Biology I

### Statistics:
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I or GEP

### 4. Core Requirements: Advanced Level

#### Track 1: Clinical Psychology (12 to 13 hrs)
- INP 3141C Advanced Applied Psychology or 1 hr
- INP 3951 Industrial/Organizational Field Work or 3 hrs
- INP 4380 Psychology of Teamwork or 3 hrs
- PSY 3302 Psychological Measurement or 3 hrs
- PSY 3320C Survey Methods in Psychology or 3 hrs
- PSY 3625 Science and Pseudoscience in Psychology or 3 hrs
- PSY 4215C Advanced Research Methods in Psychology or 4 hrs

#### Track 2: Experimental (12 to 14 hrs)
- A grade of “C” (2.0) or better is required in each course used to complete this track.

#### Select 4 of the following courses (12 to 14 hrs):
- EXP 3304 Motivation and Emotion or 3 hrs
- EXP 3640 Psychology of Language or 3 hrs
- EXP 3404 Basic Learning Processes or 3 hrs
- EXP 4507 Advanced Human Memory and Cognition or 3 hrs
- EXP 3204 Sensation and Perception or 4 hrs
- PSY 3302 Psychological Measurement or 3 hrs
- PSY 3320C Survey Methods in Psychology or 3 hrs
- PSY 3625 Science and Pseudoscience in Psychology or 3 hrs
- PSY 4215C Advanced Research Methods in Psychology or 4 hrs

#### Track 3: General (12 to 14 hrs)
- Select any 4 courses from those taught by the Psychology department (12 to 14 hrs).
- NOTE: The following courses will NOT fulfill the General Track.
  - INP 3141C Advanced Applied Psychology or 1 hr
  - INP 3951 Industrial/Organizational Field Work or 3 hrs
  - PSY 3905 Directed Independent Study or 0 hrs
  - PSY 4906 Directed Independent Study or 0 hrs
  - PSY 4912 Directed Independent Research or 0 hrs

#### Track 4: Human Factors Psychology (12 to 14 hrs)
- A grade of “C” (2.0) or better is required in each course used to complete this track.

#### Required:
- EXP 3250 Principles of Human Factors Psychology or 3 hrs

#### Select 3 of the following courses (10 to 11 hrs):
- EXP 3304 Motivation and Emotion or 3 hrs
- EXP 3204 Sensation and Perception or 4 hrs
- EXP 4507 Advanced Human Memory and Cognition or 3 hrs
- PPE 3003 Personality Theory and Research or 3 hrs
- PSY 4240 Neuropsychology or 3 hrs
- PSY 3320C Survey Methods in Psychology or 3 hrs
- PSY 4215C Advanced Research Methods in Psychology or 4 hrs

#### Track 5: Industrial/Organizational Psychology (12 to 13 hrs)
- A grade of “C” (2.0) or better is required in each course used to complete this track.

#### Required:
- INP 3004 Industrial/Organizational Psychology or 3 hrs

#### Select 3 of the following courses (9 to 10 hrs):
- CLP 4314 Health Psychology or 3 hrs
- EXP 3304 Basic Learning Processes or 3 hrs
- EXP 3304 Motivation and Emotion or 3 hrs
- INP 3951 Industrial/Organizational Field Work or 3 hrs
- INP 4313 Organizational Psychology or 3 hrs
- INP 4350 Psychology of Teamwork or 3 hrs
- PPE 3003 Personality Theory and Research or 3 hrs
- PSY 3302 Psychological Measurement or 3 hrs
- PSY 4215C Advanced Research Methods in Psychology or 4 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

311 Undergraduate Catalog 2017-2018
12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major

Additional Requirements: 6 hrs
- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
- Apply and be accepted into the program through the department.
- Fulfill University requirements for Honors in the Major.
- Earn an overall UCF GPA above 3.2.
- All grades in Psychology courses must be a “B” (3.0) or higher.
- Have a Psychology GPA above 3.5, based on at least 11 credits, including the following course.
  - PSY 3213C Research Methods in Psychology 5 hrs
  - PSY 4903H Honors Directed Reading I 3 hrs
  - PSY 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- Sociology
- Anthropology
- Statistics
- Criminal Justice

Certificates
- Behavioral Forensics

Related Minors
- Psychology
- Sociology
- Anthropology
- Mathematics
- Statistics

Advising Notes
- Visit the Psychology Advising Center (PSY 250); walk-in advising available Monday and Friday from 9 to 5.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - Biology: any lower level BSC course or ZOO X010
  - Chemistry: any lower level CHM course or CHM 2044P
  - Physics: any lower level PHY course or PHY 2063
  - Statistics; any lower level STA course will satisfy the requirement.

- A grade of “C” (2.0) or better is required in each course they select. See course listing for prerequisites.
- A 2.0 UCF GPA is required (e.g., additional restricted electives), those courses required (e.g., additional restricted electives), those courses will be included in the GPA calculation.
- Met by graduation requirement.
- 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.

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

9. Additional Requirements
- None
- None

11. Departmental Exit Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the CPP, Core Requirements, Restricted Electives and Science Electives.
- Students must maintain a minimum cumulative GPA of 2.0 in all courses satisfying major requirements. If additional Psychology courses are taken beyond the minimum required (e.g., additional restricted electives), those courses will be included in the GPA calculation.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120
### UCF Degree Programs

#### Public Administration (B.A./B.S.)

#### College of Health and Public Affairs

School of Public Administration,

Health and Public Affairs II, Room: 238

http://www.cohpa.ucf.edu/publicadmin/

Dr. Stephanie Krick, Stephanie.krick@ucf.edu, 407-823-2604

The School of Public Administration provides the highest quality undergraduate education for students interested in working in the public and private sectors, as well as, nonprofit organizations. The school strives to achieve local, state and national prominence through contemporary curriculum, innovative instruction, scholarly and applied research, and community service. Programs and services develop and enhance management skills essential to public and nonprofit organizations oriented towards an evolving metropolitan environment. The school offers an undergraduate program leading to a Bachelor of Arts (BA) or a Bachelor of Science (BS) in Public Administration. The program provides opportunities for students to prepare for employment as public administrators and produces graduates with the public management skills and analytical techniques needed for successful careers in government, nonprofit and related business fields.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor on a regular basis.
- Students must earn at least a “C” (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a “C” (2.0).
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- Students must earn a 2.5 GPA in the major (all PAD Courses) in order to graduate.

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

- Communication Foundations (9 hrs)
- Cultural & Historical Foundations (9 hrs)
- Mathematical Foundations (6 hrs)

Required Courses:
- CGS 1060C Statistics in Social Science 3 hrs
- CGS 1060C Introduction to Computers 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

#### 2. Common Program Prerequisites (CPP) (3 hrs)

- None

#### 3. Core Requirements: Basic Level (24 hrs)

All core requirements must be completed within that minor. Should that minor not require a minimum major GPA of (2.5) to satisfy the major.

- PAD 3003 Public Administration in American Society 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Human Resource Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
- PAD 4949 Cooperative Education 3 hrs

#### 4. Core Requirements: Advanced Level (24 hrs)

All core requirements must be completed with a minimum major GPA of (2.5) to satisfy the major.

- PAD 3003 Public Administration in American Society 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Human Resource Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
- PAD 4949 Cooperative Education 3 hrs

#### 5. Restricted Electives (24 hrs)

Required Minor or Certificate in the School of 18 hrs

Public Administration

- Students must complete a minor or certificate from the School of Public Administration offered at UCF. Choose from: Emergency Management and Homeland Security; Nonprofit Management/National Certification in Nonprofit Management or the Certificate in Nonprofit Management; and Urban and Regional Planning. or other minor approved by the Undergraduate Program Director, excluding the minor in Public Administration. The minor cannot overlap with any other major requirement, PAD Core or BS required course. Students pursuing a minor outside the School of Public Administration must complete a minimum of 18 credit hours within that minor. Should that minor not require 18 credit hours the student must fulfill the 18 hour minor requirement by completing courses within the field of 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $13.00 per term
- Full-Time Student: $26 per term

### Public Administration (B.A./B.S.)

- Freshman Year - Spring: 15 hrs
  - GEP Biology 3 hrs
  - GEP Statistics 3 hrs
  - ENC 1102 Composition II 3 hrs
  - GEP 3 hrs
  - Elective 3 hrs

- Sophomore Year - Fall: 16 hrs
  - Math/Science Elective 3 hrs
  - DEP 2004 Developmental Psychology 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - Foreign Language 4 hrs

- Sophomore Year - Spring: 16 hrs
  - Track Elective #1 3 hrs
  - Foreign Language 4 hrs
  - Elective 3 hrs
  - GEP 3 hrs
  - Elective 3 hrs

- Junior Year - Fall: 16 hrs
  - Track Elective #2 3 hrs
  - Diversity Restricted Elective 3 hrs
  - PSY 3204 Statistical Methods in Psychology 4 hrs
  - PSY 3024 Psychology: Career Readiness I 2 hrs
  - SOP 3004 Social Psychology 3 hrs

- Junior Year - Spring: 14 hrs
  - Track Elective #3 3 hrs
  - EXP 3604 Cognitive Psychology 4 hrs
  - PSY 3074 Psychology: Career Readiness II 2 hrs
  - PSY 3213C Research Methods in Psychology 5 hrs

- Senior Year - Fall: 15 hrs
  - Track Elective #4 3 hrs
  - PSB 3002 Physiological Psychology 3 hrs
  - PSY 4604 History and Systems of Psychology 3 hrs
  - Elective 3 hrs
  - Elective 3 hrs

- Senior Year - Spring: 14 hrs
  - Elective 3 hrs
  - Elective 3 hrs
  - Elective 3 hrs
  - Elective 3 hrs
  - PSY 4049 Psychology Capstone 2 hrs

### Sophomore Year - Fall

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### Sophomore Year - Spring

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<td>Foreign Language</td>
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### Junior Year - Fall

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<td>PSY 3204 Statistical Methods in Psychology</td>
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<td>SOP 3004 Social Psychology</td>
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### Junior Year - Spring

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### Senior Year - Fall

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<td>Elective</td>
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</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
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<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4049 Psychology Capstone</td>
<td>2</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

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

### Equipment Fees

- Part-Time Student: $13.00 per term
- Full-Time Student: $26 per term
## UCF Degree Programs

<table>
<thead>
<tr>
<th>Supporting Upper-Division Electives</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students pursuing the B.A. degree must complete six upper-level credits. These courses may be taken from the School of Public Administration or outside the School of Public Administration, as long as the prerequisites have been met.</td>
<td></td>
</tr>
</tbody>
</table>

| Students pursuing the B.S. degree must complete six upper-level credits. These courses must be selected from the approved list of courses provided by the School of Public Administration. |

<table>
<thead>
<tr>
<th>6. Capstone Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7. Foreign Language Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions</td>
</tr>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to two semesters or one year at the college level, beyond University requirement. ASL I, II and III can also be used to fulfill this requirement.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8. Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students are encouraged to select courses as electives or other courses that will enhance their background in the public administration field. These may be used to build minors and certificates offered by the University. Examples include: Business, Criminal Justice, Diplomacy, Economics, Environmental Studies, Florida Studies, Global Peace and Security Studies, Health Services Administration, Leadership Studies, Legal Studies, Political Science, and Terrorism Studies.</td>
</tr>
</tbody>
</table>

| The University requires 48 upper-level credits in order to graduate, students choosing the Nonprofit Management minor with the Generalist Emphasis may need to take additional upper-level electives to satisfy the University requirement. |

<table>
<thead>
<tr>
<th>9. Additional Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10. Required Minors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students must complete a minor or certificate from the School of Public Administration offered at UCF or another minor approved by the Undergraduate Program Director. Minors in Public Administration can include Emergency Management and Homeland Security; Nonprofit Management/National Certification in Nonprofit Management; and Urban and Regional Planning. Excluding the minor in Public Administration. The minor cannot overlap with any other major requirement, PAD Core or BS required course.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11. Departmental Exit Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).</td>
</tr>
</tbody>
</table>

| An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4). |

| Students must earn a 2.5 GPA in the major in order to graduate. |

<table>
<thead>
<tr>
<th>12. University Minimum Exit Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 2.0 UCF GPA</td>
</tr>
</tbody>
</table>

| 60 semester hours earned after CLEP awarded |

| 48 semester hours of upper division credit completed |

| 30 of the last 39 hours of course work must be completed in residency at UCF. |

| A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted. |

| Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit. |

<table>
<thead>
<tr>
<th>Total Semester Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
</tr>
</tbody>
</table>
Radio - Television (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu/

Admission Requirements
- The Radio-Television program is a limited access program that requires a separate application.
- Students should apply to become Radio-Television majors only after completing all requirements for admission.

Attn: an overall minimum 2.25/4.0 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.
- Receive a positive evaluation of other factors specified by the Nicholson School of Communication.
- See an NSC advisor for additional admission criteria.
- For admission to the program, students must complete or be enrolled into and complete, RTV 3007 with at least a “C” (2.0) or better (if in progress at the time of admission, students who do not earn a “C” (2.0) or better will be removed from the program).
- Meet a grammar proficiency standard (“B” (3.0) grades or better in the following courses or pass the grammar proficiency exam).

Application Deadlines:
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.

Degree Requirements
- Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
- All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g., additional restricted electives).
- Students who change degree programs (other than from Radio-TV Pending) and select this major must adopt the most current catalog.
- Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor’s approval.
- Internship credit may be used in this major with prior school permission.
- Co-op credit may be used in this major with prior approval from an R-TV advisor.
- Students must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 79 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 79 hours, 56 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 79 hour rule, no more than 41 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Radio-TV majors must select their required minor from outside the Nicholson School of Communication to remain below the 41 credit hour school maximum.
- Students seeking to change tracks once accepted into the major, must re-apply to the R-TV major under the new, desired track.
- A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 41 hours.
- 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.
A maximum of three credit hours of internship may be earned within the 41 credit hour school maximum. A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internships are available during “C” term only.

All prerequisites of courses taught within the College of Sciences will be enforced.

Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1: 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs
- Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer ANH 1000 U.S. History: 1492-1877 3 hrs
- Select two courses from GEP B2 6 hrs

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

Computers - Statistics: (3 hrs)
- Select 1: 3 hrs
  - CJS 1060C Introduction to Computers or 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
  - STA 2014C Principles of Statistics or 3 hrs
  - STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Select a listed course 3 hrs

E: Science Foundations (6 hrs)
- None

2. Common Program Prerequisites (CPP)
- None
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (12 hrs)
- These courses may be taken before applying to the major.
- Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.
  - MMC 3200 Mass Communication Law 3 hrs
  - RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
  - RTV 3511 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
  - RTV 4403 Electronic Media, Technology, and Society 3 hrs

Select 1: 3 hrs
- SPC 1603C Fundamentals of Technical Presentations GEP
- SPC 1608 Fundamentals of Oral Communication GEP

4. Core Requirements: Advanced Level (6 hrs)
- These courses are only available to students who have been accepted into the major.
- Reminder: must earn at least a “C” (2.0) for all core requirements and restricted electives in the major.
  - RTV 2100 Writing for the Electronic Media 3 hrs
  - MMC 3420 Mass Media Research Methods 3 hrs

5. Restricted Electives
- Specialization: Select one area and complete the credit hours required by that specialization.
- Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

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

- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
- Select primarily from upper level courses, with school advisor's approval. Must be from outside of the school in order to not exceed the 41 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 56 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.

- The following minors are suggested to complement the RTV major, but any minor except those in the Nicholson School of Communication, may be taken:
UCF Degree Programs

Digital Media
Film - Cinema Studies
English - Writing
Political Science
Sociology
Theatre

11. Departmental Exit Requirements
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
- All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Advertising-Public Relations
- Digital Media
- Digital Media - Web Design Track
- Digital Media - Visual Language Track
- Film
- Journalism
- Theatre

Certificates
- None

Related Minors
- NOTE: Minors taught within the Nicholson School of Communication are not open to R-TV majors.
- Digital Media
- Film - Cinema Studies
- Marketing
- Theatre

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Consult a school advisor for alternate, new, or more appropriate selections.
- Consult the school for detailed plans of study for each specialization.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- GEP-Math  3 hrs
- GEP  3 hrs
- Foreign Language  4 hrs

Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- Foreign Language  4 hrs
- GEP  3 hrs

Sophomore Year - Fall
- GEP  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- Elective-Minor  3 hrs

Sophomore Year - Spring
- Apply for admission by Feb 1
- RTV 3007  Development and Structure of Electronic Media and New Technology  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- Elective-outside of NSC  3 hrs
- Elective-minor  3 hrs

Senior Year - Fall
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Elective-outside of NSC  3 hrs
- Elective-outside of NSC  3 hrs

Senior Year - Spring
- Restricted Elective  3 hrs
- Restricted Elective, or -Elective-outside of NSC  4 hrs
- Elective-Minor  3 hrs
- Elective-Minor  3 hrs
- Elective-outside of NSC  3 hrs

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Real Estate (B.S.B.A.)
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration I, Room: 427
http://business.ucf.edu/undergraduate-programs
Phone: 407-823-3575

The study of real estate prepares students for careers in commercial & residential real estate development and sales. 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 College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of “C” (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
- A student's academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in real estate must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 60 upper level business credit hours 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.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Real Estate major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Real Estate major and/or College of Business. A student who is dismissed may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students majoring in Real Estate must earn a grade of “C” (2.0) or better in the following course and each course applied towards the major:
  - FIN 3403 Business Finance 3 hrs
  - STA 2023 Statistical Methods I 3 hrs

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

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Required MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)

Select 1:
- Required ECO 2013 Principles of Macroeconomics 3 hrs
- Required ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
- Suggested ANT 2000 General Anthropology or PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
-Must be completed with a “C” (2.0) or better.
- 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
- GES 2100C Computer Fundamentals for Business 3 hrs

Select one of the following sequences of courses:
- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401
  - ECO 3401 Quantitative Business Tools I 3 hrs
  - or 1 MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs

1 Or MAC 2311C and MAC 2312

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (39 hrs)

Primary Core
- 15 hrs
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs

Secondary Core
- 15 hrs
- GEB 3006 Introduction to Career Development and Financial Planning 2 hrs
- GEB 3003 Career Research & Planning 1 hr
- GEB 3005 Career Search Strategy 1 hr
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GES 3375 Introduction to International Business 3 hrs
- MAR 3033 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4004 Executing Your Career Plan 1 hr

Required Courses for Major
- 9 hrs
- FIN 2100 Personal Finance and Investments 3 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs

5. Restricted Electives (18 hrs)

Select 5:
- 15 hrs
  - 1 FIN 3414 Intermediate Corporate Finance 3 hrs
  - 1 FIN 4243 Debt and Money Markets 3 hrs
  - 1 FIN 4504 Equity and Capital Markets 3 hrs
  - 1 MAR 3391 Professional Selling 3 hrs
  - 1 REE 3614 Environmental Issues for Real Estate 3 hrs
  - 1 REE 4103 Real Estate Appraisal and Valuation 3 hrs
  - 1 REE 4203 Commercial Real Estate Finance 3 hrs
  - 1 REE 4204 Residential Real Estate Finance 3 hrs
  - 1 REE 4303 Real Estate Investment Analysis 3 hrs
  - 1 REE 4702 Real Estate Development 3 hrs
  - 1 REE 4941 Internship 1 hr
  - 1 REE 4903H Honors Directed Readings I 1 hr
  - 1 REE 4970H Undergraduate Honors Thesis 1 hr
  - 1 REE 4933 Advanced Topics in Real Estate 3 hrs
  - 1 REE 4312 Real Estate Market Analysis 3 hrs

1 Restricted to students who meet finance major admission qualifications.
2 Internship course requires an overall GPA of 2.75 and a 3.0 GPA in the major.
3 Must be in the UCF Honors in the Major Program. See http://www. honors.ucf.edu/ for details.

Business Elective
- 3 hrs
- Choose any upper level business course 3 hrs

6. Capstone Requirements (3 hrs)
- Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
- MAN 4720 Strategic Management 3 hrs
7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   - None

8. Electives
   - Variable

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum major GPA of 2.0 and a minimum College of Business GPA of 2.0.

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

Total Semester Hours Required
- 120

Honors in Major
- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least one 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
- Admission: Application for admission to the Honors in the Major program must be approved by both the Director of the Dr. Phillips School of Real Estate 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 two honors courses (total of 6 credit hours) as follows:

Honors in Major Credit Requirements
- 6 hrs
  - Required Honors Reading Course: 3 hrs
    - REE 4903H Honors Directed Readings I: 1 hr
  - Required Honors Thesis: 3 hrs
    - REE 4970H Undergraduate Honors Thesis: 1 hr

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Lower division courses 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 have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take ECO 3401.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. 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.
- Any student receiving a business degree must complete a minimum of 30 of the 60 upper level business credit hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- General electives as required to earn 120 credit hours.

Freshman Year - Fall
- ENC 1101 Composition I: 3 hrs
- MAC 1105C College Algebra: 3 hrs
- ECO 2013 Principles of Macroeconomics: 3 hrs
- Cultural Foundation I: 3 hrs
- Elective: 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II: 3 hrs
- ECO 2023 Principles of Microeconomics: 3 hrs
- Social Foundation: 3 hrs
- Elective: 3 hrs
- Elective: 3 hrs

Sophomore Year - Fall
- ACG 2021 Principles of Financial Accounting: 3 hrs
- MAC 1105C College Algebra: 3 hrs
- Historical Foundation I: 3 hrs
- Science: 3 hrs
- Elective: 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting: 3 hrs
- ECO 3401 Quantitative Business Tools I: 3 hrs
- CGS 2100C Computer Fundamentals for Business: 3 hrs
- Historical Foundation II: 3 hrs
- Science: 3 hrs

Sophomore Year - Summer
- GEB 3006 Introduction to Career Development and Financial Planning: 2 hrs

Junior Year - Fall
- ACG 3173 Accounting for Decision-Makers: 3 hrs
- ECO 3411 Quantitative Business Tools II: 3 hrs
- MAN 3025 Management of Organizations: 3 hrs
- MAR 3023 Marketing: 3 hrs
- FIN 3403 Business Finance: 3 hrs
- GEB 3003 Career Research & Planning: 1 hr

Junior Year - Spring
- GEB 3375 Introduction to International Business: 3 hrs
- REE 3043 Fundamentals of Real Estate: 3 hrs
- REE 3433 Real Estate Law: 3 hrs
- FIN 2100 Personal Finance and Investments: 3 hrs
- GEB 3005 Career Search Strategy: 1 hr

Senior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business: 3 hrs
- GEB 4223 Business Interviewing Techniques: 1 hr
- Elective: 3 hrs
- Elective: 3 hrs
- Elective: 3 hrs
- Business Elective: 3 hrs
<table>
<thead>
<tr>
<th>Program Academic Learning Compacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: <a href="http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm">http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm</a></td>
</tr>
<tr>
<td>Equipment Fees</td>
</tr>
<tr>
<td>Part-Time Student: $25.00 per term</td>
</tr>
<tr>
<td>Full-Time Student: $50.00 per term</td>
</tr>
</tbody>
</table>

Religion and Cultural Studies (B.A.)
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Phone: 407-823-2273

Religion and Cultural Studies is a BA program designed to familiarize students with religious traditions around the world, from ancient through contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course in each category is offered as an online course.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religion and Cultural Studies may be simultaneously applied to fulfill another major.

1. UCF General Education Program (GEP)

A: Communication Foundations (9 hrs)
- Required REL 2300 World Religions 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select 1:
  - PHI 2010 Introduction to Philosophy or 3 hrs
  - HUM 2020 Encountering the Humanities 3 hrs

Select 1:
- HUM 2210 Humanistic Tradition I or 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs

C: Mathematical Foundations (6 hrs)
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

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

D: Social Foundations (6 hrs)
- Suggested AMH 2020 U.S. History: 1877-Present 3 hrs

E: Science Foundations (6 hrs)
- None

3. Core Requirements: Basic Level (27 hrs)

REL 2300 World Religions GEP

Select 1:
- PHI 2010 Introduction to Philosophy or 3 hrs
- HUM 2020 Encountering the Humanities 3 hrs

Select 1:
- HUM 2210 Humanistic Tradition I or 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs

Studying Religion and Culture (3 hrs)
- REL 2000 Introduction to Religion and Cultural Studies 3 hrs

4. Core Requirements: Advanced Level (27 hrs)

A: Traditions (12 hrs)
- Must select at least one course in each category from the Philosophy Department

Abrahamic Traditions (3 hrs)
- REL 3403 Christianity or 3 hrs
- REL 3363 Islam or 3 hrs
- REL 3320 Moses, Jesus and Muhammad or 3 hrs
- REL 3432 Roots of Western Mysticism or 3 hrs

Asian and Indigenous Traditions (3 hrs)
- REL 3340 Buddhism or 3 hrs
- REL 3333 Hinduism or 3 hrs
- REL 3123 Asian Religions in America or 3 hrs
- ANT 3245 Native American Religions 3 hrs

B: Theories and Methods (6 hrs)
- Must select one in each category

Religion (3 hrs)
- REL 4157 Religion and Psychoanalysis or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- PHI 3720 Faith and Reason or 3 hrs
- REL 4936 Key Figures in Religion and Cultural Studies or 3 hrs
- REL 4496 Key Concepts in Religion and Cultural Studies 3 hrs

Cultural Studies (3 hrs)
- HUM 3805 Critical Theory in the Humanities or 3 hrs
- HUM 3328 Theories of Sex and Gender in Humanities or 3 hrs
- HUM 4459 American Cultural Studies in Humanities or 3 hrs
- HUM 4826 Postcolonial Theory or 3 hrs
- PHI 4800 Critical Theory or 3 hrs

C. Religion in Culture (9 hrs)
- Must select three from the following with at least one from the Philosophy Department:

REL 3101 Religion in Popular Culture 3 hrs
REL 3111 Religion and Philosophy Through Film 3 hrs
REL 3115 Religion, Spirituality, and Popular Music 3 hrs
REL 3130 Religion in America 3 hrs
REL 4110 Religion and the Arts 3 hrs
REL 4180 Religion and Medicine 3 hrs
REL 4178 Religion and Law 3 hrs
PHI 3033 Philosophy, Religion, and the Environment 3 hrs
ANT 3241 Magic, Ritual, and Belief 3 hrs
POT 4632 Religion and Politics 3 hrs
SYO 4200 Religion in Society 3 hrs

5. Restricted Electives (3 hrs)
- Any course from Traditions, Theories and Methods, or Religion in Culture not being used to satisfy those categories can be used here.
- Note: Related courses may be substituted with consent of Religion and Cultural Studies adviser.

UNIVERSITY OF CENTRAL FLORIDA
320 Undergraduate Catalog 2017-2018
UCF Degree Programs

6. Capstone Requirements
   REL 4910  Senior Research Seminar  3 hrs

7. Foreign Language Requirements
   Admissions
   Met by graduation requirement
   Graduation
   Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

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

9. Additional Requirements
   None

10. Required Minors
   None

11. Departmental Exit Requirements
   Earn a “C” (2.0) or better in each required course.
   To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

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

Total Semester Hours Required
120

Honors In Major
Students considering graduate school in Religion and Cultural Studies are strongly encouraged to take Honors in the Major.
Requirements are as follows:
Core, Elective Requirements, and Senior Seminar
Same requirement as for regular majors
Honors Thesis 36 hrs
REL 4903H Honors Directed Readings I 3 hrs
REL 4970H Undergraduate Honors Thesis 3 hrs

Additional Requirements
Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
Fulfill University requirements for Honors in the Major.
Maintain a UCF GPA of at least 3.2 and a Religion and Cultural Studies GPA of at least 3.5.
Successful completion and oral defense of Honors Thesis.
Earn a “B” (3.0) or better in both of the following:
REL 4903H Honors Directed Readings I 3 hrs
REL 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
Interdisciplinary Studies
Philosophy
Humanities and Cultural Studies

Certificates
None

Related Minors
Humanities and Cultural Studies
Judaic Studies
Philosophy

Advising Notes
None

Transfer Notes
Lower division courses do not substitute for upper division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
None

Plan of Study

Freshman Year - Fall 16 hrs
ENC 1101 Composition I 3 hrs
HUM 2210 Humanistic Tradition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
REL 2300 World Religions 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
HUM 2230 Humanistic Tradition II 3 hrs
Restricted Elective 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
GEP 3 hrs

Sophomore Year - Fall 15 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
REL 4910 Senior Research Seminar 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

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

Restaurant and Foodservice Management (B.S.)
Rosen College of Hospitality Management
Department of Foodservices and Lodging Management,
9907 Universal Boulevard, Orlando, FL 32819

http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Joe Hutchinson, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required MAC 1105C College Algebra 3 hrs
   Select 1: 3 hrs
   Required CGS 2100C Computer Fundamentals for Business or 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   Required SYG 2000 Introduction to Sociology or 3 hrs
   Required ANT 2000 General Anthropology 3 hrs

   C: Mathematical Foundations (6 hrs)
   Required STA 2023 Statistical Methods I 3 hrs

2. Common Program Prerequisites (CPP) (7 hrs)
   Required HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
   Required FSS 2221C Techniques of Food Preparation 4 hrs

3. Core Requirements: Basic Level (30 hrs)
   MAC 1105C College Algebra 3 hrs
   Select 1: 3 hrs
   Required CGS 2100C Computer Fundamentals for Business or 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs

   E: Science Foundations (6 hrs)
   Select 1: 3 hrs
   Required ECO 2013 Principles of Macroeconomics or 3 hrs
   Required ECO 2023 Principles of Microeconomics or 3 hrs

4. Core Requirements: Advanced Level (51 hrs)
   Hospitality Core Requirements 30 hrs
   HFT 2401 Hospitality Industry Financial Accounting 3 hrs
   HFT 2500 Hospitality and Tourism Marketing 3 hrs
   HFT 2220 Hospitality Human Resources Management 3 hrs
   HFT 3444 Hospitality Information Systems 3 hrs
   HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
   HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
   HFT 3540 Guest Services Management I 3 hrs
   HFT 4464 Hospitality Industry Finance 3 hrs
   HFT 4286 Hospitality Communications 3 hrs
   HFT 4265 Leadership and Strategic Management in Hospitality Industry 3 hrs

Internships
- None

5. Restricted Electives (15 hrs)
   Select 5: 15 hrs
   Required HFT 3940 Internship I 1 hr
   Required HFT 4941 Internship II 1 hr
   Required HFT 4944 Internship III 1 hr

6. Capstone Requirements
- None

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

Graduation
- None

8. Electives
- 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None
## Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

## Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Rosen College of Hospitality Management.
- Florida College System institution students are encouraged to complete general education requirements, prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

## Acceptable Substitutes for Transfer Courses
- None

## Plan of Study
- Plan your required nine summer credit hours into your course of study.

### Freshman Year - Fall (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 1000</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cuf/His. Foundations I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Select 1: (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
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<tr>
<td>SYG 2000</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>3 hrs</td>
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</table>

### Freshman Year - Spring (16 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
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<tr>
<td>SPC 1608</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 2221C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Cuf/His. Foundations II</td>
<td>3 hrs</td>
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</table>

### Select 1: (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CGS 1060C</td>
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</tr>
<tr>
<td>STA 2023</td>
<td>3 hrs</td>
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</table>

### Sophomore Year - Fall (14 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HFT 2220</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science Foundations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Electives</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Spring (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2500</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2401</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science Foundations II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cuf/His. Foundations III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Electives</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Junior Year - Fall (16 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3431</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3540</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 3124</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2254</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3263</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3940</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### Junior Year - Spring (16 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3603</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3813</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4457</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4444</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4941</td>
<td>1 hr</td>
</tr>
<tr>
<td>Restaurant Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Fall (13 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4464</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Spring (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4661</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4944</td>
<td>1 hr</td>
</tr>
<tr>
<td>Restaurant Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Required  ENC 1101 Composition I 3 hrs

### Required  HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

### Required  Restaurant Restricted Electives 9 hrs

### Full Time Student: $37.50 per term

### Part Time Student: $75 per term

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

## Equipment Fees
- Full Time Student: $75 per term
- Part Time Student: $37.50 per term

## Secondary Education - English Language Arts Education Track (B.S.)

### College of Education and Human Performance

### School of Teaching, Learning, and Leadership, Education Building, Room: 209

http://education.ucf.edu/englished/

Dr. Elsie Olan, ED 223N, Elsie.Olan@ucf.edu, 407-823-5179

Dr. Janet Andreasen, Janet.Andreasen@ucf.edu

The Secondary Education B.S. - English Language Arts Education program offers students the option of two tracks: English Language Arts Education - Education Track and English Language Arts Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from a Florida College System or State University System institution.
- Complete the EDF 2005 Introduction to Teaching Profession, EDF 2085 Introduction to Diversity for Educators and EME 2040 Introduction to Technology for Educators courses with a minimum letter grade of “C-“ (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).

### 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.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### A: Communication Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Students are advised to take the preferred courses.
B: Cultural & Historical Foundations (9 hrs)
General Education Program course from section B1 to meet Gordon Rule Requirement
Required: LIT 2110 World Literature I 3 hrs
Select 1:
- MUL 2100 Enjoyment of Music or 3 hrs
- THT 2000 Theatre Survey or 3 hrs
- PHI 2100 Introduction to Philosophy 3 hrs
C: Mathematical Foundations (6 hrs)
- MGF 1106 Finite Mathematics 3 hrs
- STA 2043C Principles of Statistics 3 hrs
D: Social Foundations (6 hrs)
- POS 2041 American National Government 3 hrs
- PSY 2102 General Psychology 3 hrs
E: Science Foundations (6 hrs)
- PSC 1121 Physical Science 3 hrs
Select 1:
- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2085 Introduction to the Teaching Profession 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- LIT 2110 World Literature I 3 hrs
- ENL 2120 English Literature I 3 hrs

3. Core Requirements: Basic Level (12 hrs)
- Education Track requires 12 semester hours
- Lifelong Learning Track requires 15 semester hours
- Both the Education Track and Lifelong Learning Track require successful completion of EDF 2085 and EME 2040
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

1. Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Education Track (6 hrs)
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- LIT 2110 World Literature I 3 hrs
- ENL 2120 English Literature I 3 hrs

1. Prerequisite for Internship I

Internship I Block (9 hrs)
- Prior to Internship I, the student must have completed all Common Program Prerequisites, all Core Requirements:
- Basic Level, EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, LAE 4466 Canon, Young Adult Literature, and Curriculum, and LAE 4464 Introduction to Adolescent Literature with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexep/
- LAE 4360 English Instructional Analysis 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 3940 Internship 3 hrs

Internship II Block (12 hrs)
- All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (English 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II. LAE 4941 Internship 9 hrs
- ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

1. Prerequisite for Internship I.

Education Track Specialization Requirements (24 hrs)
- CRW 3013 Creative Writing for English Majors 3 hrs
- ENG 3014 Theories and Techniques of Literature 3 hrs
- AML 3031 American Literature I 3 hrs
- AML 3041 American Literature II 3 hrs
- LAE 4466 Survey of Adolescent Literature 3 hrs
- LAE 4561 Literacy Strategies in a Digital Age for Middle and High School 3 hrs

Select 1: 3 hrs
- ENC 3311 Essay as Cultural Commentary or 3 hrs
- LIN 4105 History of the English Language 3 hrs

1. Prerequisite for Internship I
Lifelong Learning Track Specialization  42 hrs

Requirements
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-” (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

LAE 4466  Canon, Young Adult Literature and the English Language Arts Curriculum  3 hrs
LAE 4464  Survey of Adolescent Literature  3 hrs
LAE 4360  English Instructional Analysis  3 hrs
LAE 4342  Programs in Teaching Language and Composition  3 hrs
LAE 4361  Literacy Strategies in a Digital Age for Middle and High School  3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
- Complete ESOL standards assessment tracking requirements in LiveText for the ESOL endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

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

Total Semester Hours Required  120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Consult with your Education advisor and review your degree audit for more recent information.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall  12 hrs
- GEP B1 Elective  3 hrs
- ENC 1101 Composition I  3 hrs
- MGF 1106 Finite Mathematics  3 hrs
- PSY 2012 General Psychology  3 hrs

Freshman Year - Spring  12 hrs
- ENC 1102 Composition II  3 hrs
- POS 2041 American National Government  3 hrs
- PSC 1121 Physical Science  3 hrs

Select 1:
- MUL 2010 Enjoyment of Music or  3 hrs
- THE 2000 Theatre Survey or  3 hrs
- PHI 2010 Introduction to Philosophy  3 hrs

Freshman Year - Summer  6 hrs
- LIT 2110 World Literature I  3 hrs

Education Track  3 hrs
- EDF 2130 Child and Adolescent Development for Educators

Lifelong Learning Track  3 hrs
- EDF 2130 Child and Adolescent Development for Educators or
- EDP 2270 Adult Development & Learning

Sophomore Year - Fall  15 hrs
- ENL 2012 English Literature I  3 hrs
- EDF 2005 Introduction to the Teaching Profession  3 hrs
- SPC 1608 Fundamentals of Oral Communication  3 hrs
- STA 2014C Principles of Statistics  3 hrs

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## UCF Degree Programs

### Education Track
- **Sophomore Year - Spring**: 12 hrs
  - ENL 2022 English Language and Literature (3 hrs)
  - EDF 2085 Introduction to Diversity for Educators (3 hrs)
  - EME 2040 Introduction to Technology for Educators (3 hrs)
- **Education Track**: 3 hrs
  - AMI 3031 American Literature I (3 hrs)
- **Lifelong Learning Track**: 3 hrs
  - MHS 2330 Career Planning (3 hrs)

### Lifelong Learning Track
- **Sophomore Year - Summer**: 6 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL (3 hrs)
  - Students in Schools (3 hrs)
- **Education Track**: 3 hrs
  - AMI 3041 American Literature II (3 hrs)
- **Lifelong Learning Track**: 3 hrs
  - Choose Lifelong Learning Specialization course (3 hrs)

### Junior Year - Fall
- **Junior Year - Fall**: 15 hrs
  - TSL 4240 Issues in Second Language Acquisition (3 hrs)
  - EDF 4467 Learning Theory and Assessment (3 hrs)
  - EDG 4410 Teaching Strategies and Classroom Management (3 hrs)
- **Education Track**: 6 hrs
  - CRW 3013 Creative Writing for English Majors (3 hrs)
- **Select 1:**
  - ENC 3311 Essay as Cultural Commentary (3 hrs)
  - LIN 4105 History of the English Language (3 hrs)

### Junior Year - Fall
- **Junior Year - Fall**: 15 hrs
  - TSL 4240 Issues in Second Language Acquisition (3 hrs)
  - EDF 4467 Learning Theory and Assessment (3 hrs)
  - EDG 4410 Teaching Strategies and Classroom Management (3 hrs)
- **Education Track**: 6 hrs
  - Choose Lifelong Learning Specialization courses (6 hrs)

### Lifelong Learning Track
- **Junior Year - Fall**: 9 hrs
  - Choose Lifelong Learning Specialization courses (9 hrs)

### Education Track
- **Junior Year - Summer**: 3 hrs
  - ENG 3014 Theories and Techniques of Literature Study (3 hrs)

### Lifelong Learning Track
- **Junior Year - Summer**: 3 hrs
  - Choose a Lifelong Learning Specialization course (3 hrs)

### Senior Year - Fall
- **Senior Year - Fall**: 12 hrs
  - EEX 4242 Teaching Exceptional Students in Secondary Settings (3 hrs)

### Education Track
- **Senior Year - Fall**: 3 hrs
  - LAE 4360 Survey of Adolescent Literature and Composition (3 hrs)
  - LAE 4361 Literacy Strategies in a Digital Age for Middle and High School and EME 2040 Introduction to Technology for Educators (3 hrs)
  - LAE 4466 Canon, Young Adult Literature and the English Language Arts Curriculum (3 hrs)

### Lifelong Learning Track
- **Senior Year - Fall**: 9 hrs
  - Choose Lifelong Learning Specialization courses (9 hrs)

### Education Track
- **Senior Year - Fall**: 3 hrs
  - LAE 4941 Internship and Practicum (3 hrs)
  - ESE 4033 Critical Issues and Trends in Secondary Education (3 hrs)

### Lifelong Learning Track
- **Senior Year - Fall**: 6 hrs
  - Choose Lifelong Learning Specialization courses (6 hrs)

### Secondary Education - Mathematics Education Track (B.S.)

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership,**

**Education Building, Room: 209**

[http://education.ucf.edu/mathed](http://education.ucf.edu/mathed)

Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu, 407-823-4336

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Secondary Education B.S. - Mathematics Education program offers students the option of two tracks: Mathematics Education - Education Track and Mathematics Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities outside formal, K-12 schools that do not require certification.

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete the EDF 2005 Introduction to Teaching Profession, EDF 2085 Introduction to Diversity for Educators and EME 2040 Introduction to Technology for Educators courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).

The Lifelong Learning Tack is a non-certification program and does not require the General Knowledge Test.

**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.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program (GEP)** (37 hrs)
   - Students are advised to take the preferred courses.
   - **A: Communication Foundations** (9 hrs)
     - Required ENC 1101 Composition I (3 hrs)
     - Required ENC 1102 Composition II (3 hrs)
     - Preferred SPC 1608 Fundamentals of Oral Communication (3 hrs)
### B: Cultural & Historical Foundations (9 hrs)

General Education Program elective from section B1 to meet Gordon Rule Requirement

**Select 1:**
- Prefer MUL 2100 Enjoyment of Music or MUL 2220 Introduction to Philosophy 3 hrs
- Prefer THE 2000 Theatre Survey or THE 2100 History of Western Theatre 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

General Education Program elective: Prefer a second course from GEP section B1

### C: Mathematical Foundations (7 hrs)

Required
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Optional
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

### D: Social Foundations (6 hrs)

Select 1:
- POS 2041 American National Government 3 hrs
- PSY 2012 General Psychology 3 hrs

Select 2:
- Prefer MUL 2010 Enjoyment of Music or 3 hrs
- Prefer THE 2100 History of Western Theatre or 3 hrs

### E: Science Foundations (6 hrs)

Select 1:
- Prefer PSC 1121 Physical Science 3 hrs

Select 2:
- Prefer ANT 2511 The Human Species or 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

### 2. Common Program Prerequisites (CPP) (11 hrs)

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

**Core Requirements: Basic Level (12 hrs)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311C 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>
</tbody>
</table>

**Core Requirements: Advanced Level (57 hrs)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4410 Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4467 Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080 Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4242 Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043 Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Education Track Specialization Requirements (23 hrs)**

- A grade of "C-" (1.75) or better is required.
  - MAS 3105 Matrix and Linear Algebra 4 hrs
  - MAS 3203 Introduction to Number Theory 3 hrs
  - MHF 3302 Logic and Proof in Mathematics 3 hrs
  - MTG 4212 Modern Geometries 4 hrs
  - STA 4163 Statistical Methods II 3 hrs
  - MAE 4634 Programs in Teaching of Mathematics 3 hrs
  - MAE 3366 Middle and High School Mathematics for Teaching 3 hrs

**Internship I Block (7 hrs)**

Prior to Internship I, the student must have completed all Common Program Prerequisites, all Core Requirements: Basic Level, EDF 4410 and at least 50% of all required mathematics courses including MAE 3366 Middle and High School Mathematics for Teaching, MAE 4634 Programs in Teaching Mathematics and MAP 2302 Differential Equations 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.

**Internship II Block (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.

**Graduation Requirements**

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

**Internship I Block**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130 Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 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 Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Internship II Block**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 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 Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MHS 2330 Career Planning</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**
- Prefer EDF 2130 Child and Adolescent Development for Educators or EDF 2270 Adult Development & Learning 3 hrs

**Core Requirements:**

- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements

**Internship I Block**

- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

**Internship II Block**

- MAE 3366 Middle and High School Mathematics for Teaching 3 hrs
Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

MAE 4941 Internship 9 hrs
ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track Specialization 36 hrs

Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.

A grade of "C"-(1.75) or better is required.

Must have a total of 48 or more hours of upper level courses to graduate.

MAE 3366 Middle and High School Mathematics for Teaching 3 hrs
MAE 4360 Mathematics Instructional Analysis 4 hrs
MAS 3105 Matrix and Linear Algebra 4 hrs
MAS 3203 Introduction to Number Theory 3 hrs
MHF 3302 Logic and Proof in Mathematics 3 hrs
MTG 4212 Modern Geometries 4 hrs
STA 4163 Statistical Methods II 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2030 Introduction to Digital Media 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs
DIG 3820 User-Centered Design 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604 Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703 Principles of Behavior Modification 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 2760 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs

5. Restricted Electives
None

6. Capstone Requirements
None

7. Foreign Language Requirements

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

Graduation
None

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
Achieve a minimum 2.5 GPA in all courses within the major.

In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/Education Track

Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements

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

Total Semester Hours Required
120

Honors In Major
None

Related Programs
None

Certificates
None

Related Minors
None

Advising Notes
None

Transfer Notes
None

Acceptable Substitutes for Transfer Courses
None

Plan of Study (120 hrs)

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
PSC 1121 Physical Science 3 hrs
GEP B1 Elective 3 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
GEP B3 Elective (prefer course from section B1) 3 hrs

Select 1:
ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

Freshman Year - Summer
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PSY 2012 General Psychology 3 hrs

Select 1:
MUL 2010 Enjoyment of Music or THE 2000 Theatre Survey or PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall
EDF 2005 Introduction to the Teaching Profession 3 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
POS 241 American National Government 3 hrs
STA 2023 Statistical Methods I 3 hrs

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**Education Track**

- MTH 3302 Logic and Proof in Mathematics: 3 hrs

**Lifelong Learning Track**

- Choose Lifelong Learning Specialization course: 3 hrs

**Sophomore Year - Spring**

- EME 2040 Introduction to Technology for Educators: 3 hrs
- EDF 2085 Introduction to Diversity for Educators: 3 hrs

**Education Track**

- MAS 3105 Matrix and Linear Algebra and 4 hrs
- MAS 3203 Introduction to Number Theory and 3 hrs
- EDF 2130 Child and Adolescent Development for Educators: 3 hrs

**Lifelong Learning Track**

- MHS 2330 Career Planning and: 3 hrs
- Choose Lifelong Learning Specialization course: 4 hrs

**Junior Year - Fall**

- EDF 4467 Learning Theory and Assessment: 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management: 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings: 3 hrs

**Education Track**

- STA 4163 Statistical Methods II: 3 hrs

**Lifelong Learning Track**

- Choose Lifelong Learning Specialization course: 3 hrs

**Senior Year - Fall**

- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools: 3 hrs

**Education Track**

- MAE 3366 Middle and High School Mathematics for Teaching: 3 hrs

**Lifelong Learning Track**

- Choose Lifelong Learning Specialization course: 3 hrs

**Education Track**

- MTG 4212 Modern Geometries: 4 hrs
- MAE 4360 Mathematics Instructional Analysis: 4 hrs
- MAE 3940 Internship: 3 hrs

**Lifelong Learning Track**

- Choose Lifelong Learning Specialization courses: 11 hrs

**Senior Year - Spring**

- MAE 4941 Internship and: 9 hrs
- ESE 4033C Critical Issues and Trends in Secondary Education: 3 hrs

**Lifelong Learning Track**

- Choose Lifelong Learning Specialization courses: 12 hrs

**Program Academic Learning Compacts**

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

**Equipment Fees**

- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

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**Secondary Education - Science Education Biology Track (B.S.)**

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**


Dr. Malcolm Butler, ED 322T, malcolm.butler@ucf.edu, 407-823-3272

Dr. Janet Andreasen, ED 123Q, janet.andreasen@ucf.edu

**The Secondary Education B.S. - Science Education Biology program offers students the option of two tracks: Science Education-Biology Track and Science Education - Biology Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside of formal K-12 schools that do not require certification.**

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete the EDF 2005 Introduction to Teaching Profession, EDF 2085 Introduction to Diversity for Educators and EME 2040 Introduction to Technology for Educators courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

**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.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

- Note: Students are advised to take the preferred courses.

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

   **B: Cultural & Historical Foundations (9 hrs)**
   - General Education Program elective from section B1 to meet Gordon Rule Requirement
   - Select 1:
     - Prefer MUL 2010 Enjoyment of Music: 3 hrs
     - Prefer THE 2000 Theatre Survey: 3 hrs
     - Prefer PHI 1010 Introduction to Philosophy: 3 hrs
     - General Education Program elective: Prefer a second course from GEP section B1

   **C: Mathematical Foundations (7 hrs)**
   - Required MAC 2311C Calculus with Analytic Geometry I: 4 hrs
   - Prefer STA 2014C Principles of Statistics: 3 hrs
D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)
- Required PSC 1121 Physical Science 3 hrs
- Required BSC 2010C Biology I 4 hrs

1 A grade of “C-”(1.75) is required.

2. Common Program Prerequisites (CPP) (15 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2085 Introduction to the Teaching Profession 3 hrs
- BSC 2010C Biology I GEP
- MAC 2311C Calculus with Analytic Geometry I GEP
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

3. Core Requirements: Basic Level (9 hrs)
- Education Track requires 9 semester hours
- Lifelong Learning Track requires 5 semester hours
- Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in this section with the permission of the department.
- Students should consult with advisor regarding course options
- 1 EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- BSC 2010C Biology I GEP
- BSC 2011C Biology II GEP
- CHM 2045C Chemistry Fundamentals I CPP
- CHM 2046 Physical Science GEP

Education Track
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track
- MHS 2330 Career Planning 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

4. Core Requirements: Advanced Level (55 hrs)
- Education Track requires 58 semester hours
- Lifelong Learning Track requires 55 semester hours

Education Core Requirements 18 hrs
- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- 1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- 1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Lifelong Learning Track
- MHS 2330 Career Planning 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

1 A grade of “C-”(1.75) or better before registering for Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

Internship I Block 7 hrs
- Program Internship I Prerequisites: EDF 4410, TSL 4080, all Common Program Prerequisites, all Core Requirements: Basic Level, and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 3940 Internship 3 hrs

Internship II Block 12 hrs
- At least 80% of all required biology courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Biology 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- SCE 4941 Internship 9 hrs
- ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track Specialization 34 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-”(1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr
- MCB 3020C General Microbiology 5 hrs
- PCB 3703C Human Physiology 4 hrs
- ZOO 3733C Human Anatomy 4 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3063L Genetics Laboratory 1 hr
UCF Degree Programs

EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004 Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604 Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703 Principles of Behavior Modification 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
SCE 4300 Science Instructional Analysis 4 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
- 12 hrs
  - GEP B1 Elective 3 hrs
  - ENC 1101 Composition I 3 hrs
  - PSY 2012 General Psychology 3 hrs
  - STA 2014C Principles of Statistics 3 hrs

Freshman Year - Spring
- 15 hrs
  - GEP B3 Elective ( Prefer course from section B1) 3 hrs
  - ENC 1102 Composition II 3 hrs
  - PSC 1121 Physical Science 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- MUL 2101 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2101 Introduction to Philosophy 3 hrs

Freshman Year - Summer
- 6 hrs
  - POS 2041 American National Government 3 hrs

Education Track
- 3 hrs
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track
- 3 hrs
  - Select 1: 3 hrs
    - EDF 2130 Child and Adolescent Development for Educators or 3 hrs
    - EDP 2270 Adult Development & Learning 3 hrs

Sophomore Year - Fall
- 15 hrs
  - BSC 2010C Biology I 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - EDF 2005 Introduction to the Teaching Profession 3 hrs

Sophomore Year - Spring
- 14 hrs
  - BSC 2011C Biology II 4 hrs
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - EME 2040 Introduction to Technology for Educators 3 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Sophomore Year - Summer
- 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Fall
- 14 hrs
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs

Education Track
- 4 hrs
  - PCB 3044 Principles of Ecology and PCB 3044L Principles of Ecology Laboratory 3 hrs
  - PCB 3063 Genetics and PCB 3063L Genetics Laboratory 1 hr

Select one of the following sequences of courses:
Lifelong Learning Track requires 13 semester hours
Education Track requires 10 semester hours

Junior Year - Spring
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
Education Track 10 hrs
MCB 2020 General Microbiology and 5 hrs
CHM 2205 Introduction to Organic and Biochemistry 5 hrs
Lifelong Learning Track 10 hrs
MHS 2330 Career Planning and 3 hrs
Choose Lifelong Learning Specialization courses 7 hrs
Junior Year - Summer
SCE 4361 Programs in Teaching Science 3 hrs
Senior Year - Fall
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
Education Track 7 hrs
SCE 4360 Science Instructional Analysis and 4 hrs
SCE 3940 Internship 3 hrs
Lifelong Learning Track 7 hrs
Choose Lifelong Learning Specialization courses 7 hrs
Senior Year - Spring
Education Track 12 hrs
SCE 4941 Internship and 9 hrs
ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs
Lifelong Learning Track Choose Lifelong Learning Specialization courses 12 hrs

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

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Secondary Education - Science Education
Chemistry Track (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Malcolm Butler, ED 322T, malcolm.butler@ucf.edu,
407-823-3272
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Secondary Education B.S. - Science Education Chemistry program offers students the option of two tracks: Science Education - Chemistry Track and Science Education - Chemistry Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete the EDF 2005 Introduction to Teaching Profession, EDF 2085 Introduction to Diversity for Educators and EME 2040 Introduction to Technology for Educators courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA.
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

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.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
- Note: Students are advised to take the preferred courses.
A: Communication Foundations (9 hrs)
  Required ENC 1101 Composition I 3 hrs
  Required ENC 1102 Composition II 3 hrs
  Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
B: Cultural & Historical Foundations (9 hrs)
  General Education Program elective from section B1 to meet Gordon Rule Requirement
Select 1:
  Prefer MUL 2010 Enjoyment of Music or 3 hrs
  Prefer THE 2000 Theatre Survey or 3 hrs
  Prefer PHI 2010 Introduction to Philosophy 3 hrs
  General Education Program elective: Prefer a second course from GEP section B1
C: Mathematical Foundations (6 hrs)
  Required MAC 1114C College Trigonometry 3 hrs
  Prefer STA 2010C Principles of Statistics 3 hrs
D: Social Foundations (6 hrs)
  Prefer POS 2041 American National Government 3 hrs
  Prefer PSY 2012 General Psychology 3 hrs
E: Science Foundations (7 hrs)
  Required CHM 2045C College Physics I 3 hrs
  Required CHM 2046 Chemical Fundamentals I 4 hrs
  Required CHM 2046L Chemical Fundamentals Laboratory 4 hrs
  Required PHY 2053C College Physics I 4 hrs
  Required PSY 2012 General Psychology 3 hrs
  Required PSC 1121 Physical Science 3 hrs
  1 A grade of "C-" (1.75) or better is required.

2. Common Program Prerequisites (CPP) (15 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (10 hrs)
- Education Track requires 10 semester hours
- Lifelong Learning Track requires 13 semester hours
- Transfer Notes: Courses taken at Florida College System institutions may substitute for selected courses in this section with the permission of the department.

4. Secondary Education - Science Education Chemistry Track (B.S.)
### UCF Degree Programs

**Education Track** | 18 hrs  
-------------------|----------------  
EDF 2130 | Child and Adolescent Development (5 hrs)  
EDP 2270 | Adult Development & Learning  

**Internship I Block** | 12 hrs  
----------------------|----------------  
At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.  
Passing scores on all sections [General Knowledge, Professional, and Subject Area (Chemistry 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.  
Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.education.ucf.edu/clinicalexp/](http://www.education.ucf.edu/clinicalexp/).  
Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.  
SCE 4941 | Internship 9 hrs  
ESE 433C | Critical Issues and Trends in Secondary Education  

### Lifelong Learning Track Specialization | 34 hrs  
--------------------------|----------------  
Select 1:  
CHM 2046 | Chemistry Fundamentals II  
CHM 2046L | Chemistry Fundamentals Laboratory  
PHY 2053C | College Physics I  
CHM 3120 | Analytical Chemistry  
CHM 3120L | Analytical Chemistry Laboratory  
CHM 2210 | Organic Chemistry I  
CHM 2211 | Organic Chemistry II  
CHM 2211L | Organic Laboratory Techniques I  
CHS 3501 | Introduction to Forensic Science  
BCH 4053 | Biochemistry  
EDG 4941 | Directed Field Experience  
EDG 4948 | Service Learning  
DIG 3525 | Digital Media Production I  
DIG 2000 | Introduction to Digital Media  
DIG 2030 | Digital Video Fundamentals  
DIG 2109 | Digital Imaging Fundamentals  
DIG 2500 | Fundamentals of Interactive Design  
DIG 3811 | User-Centered Design  
DEP 2004 | Developmental Psychology  
DEP 3202 | Psychology of Exceptional Children  
DEP 3464 | Psychology of Aging  
EXP 3604 | Cognitive Psychology  
EXP 3250 | Principles of Human Factors Psychology  
EAB 3703 | Principles of Behavior Modification  
MAN 3025 | Management of Organizations  
MAN 4101 | Human Relations in Management  
MAR 3023 | Marketing  
ECT 4184 | Curriculum Development Techniques for Industry Training  
HFT 1000 | Introduction to the Hospitality and Tourism Industry  
HFT 2750 | The Event Industry  
HFT 3798 | Fairs and Festivals  
HFT 4754 | Exhibit and Trade Show Operations  
SCE 4360 | Science Instructional Analysis  

### Lifelong Learning Track Specialization Requirements | 34 hrs  
--------------------------|----------------  
Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.  
A grade of “C-”(1.75) or better is required.  
Must have a total of 48 or more hours of upper level courses to graduate.  
CHM 3120 | Analytical Chemistry  
CHM 3120L | Analytical Chemistry Laboratory  
CHM 2210 | Organic Chemistry I  
CHM 2211 | Organic Chemistry II  
CHM 2211L | Organic Laboratory Techniques I  
CHS 3501 | Introduction to Forensic Science  
BCH 4053 | Biochemistry  
EDG 4941 | Directed Field Experience  
EDG 4948 | Service Learning  
DIG 3525 | Digital Media Production I  
DIG 2000 | Introduction to Digital Media  
DIG 2030 | Digital Video Fundamentals  
DIG 2109 | Digital Imaging Fundamentals  
DIG 2500 | Fundamentals of Interactive Design  
DIG 3811 | User-Centered Design  
DEP 2004 | Developmental Psychology  
DEP 3202 | Psychology of Exceptional Children  
DEP 3464 | Psychology of Aging  
EXP 3604 | Cognitive Psychology  
EXP 3250 | Principles of Human Factors Psychology  
EAB 3703 | Principles of Behavior Modification  
MAN 3025 | Management of Organizations  
MAN 4101 | Human Relations in Management  
MAR 3023 | Marketing  
ECT 4184 | Curriculum Development Techniques for Industry Training  
HFT 1000 | Introduction to the Hospitality and Tourism Industry  
HFT 2750 | The Event Industry  
HFT 3798 | Fairs and Festivals  
HFT 4754 | Exhibit and Trade Show Operations  
SCE 4360 | Science Instructional Analysis  

### 5. Restricted Electives  
None  

### 6. Capstone Requirements  
None  

### 7. Foreign Language Requirements  
Admissions  
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
UCF Degree Programs

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- Recommended Four Year Sequence of Courses

Freshman Year - Summer 6 hrs
- STA 2014C Principles of Statistics 3 hrs

Select 1:
- MUL 2101 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2101 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 14 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Spring 13 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Education Track
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track 3 hrs
- Select 1:
  - EDF 2130 Child and Adolescent Development for Educators or 3 hrs
  - EDP 2270 Adult Development & Learning 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDF 2270 Adult Development & Learning 3 hrs

Junior Year - Fall 16 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4440 Teaching Strategies and Classroom Management 3 hrs
- EEE 4202 Teaching Exceptional Students in Secondary Settings 3 hrs

Senior Year - Fall 13 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDF 2270 Adult Development & Learning 3 hrs

Education Track
- CHM 2210 Organic Chemistry I and 3 hrs
- CHM 3120 Analytical Chemistry and 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr

Lifelong Learning Track 7 hrs
- Choose Lifelong Learning Specialization courses 7 hrs

Junior Year - Spring 14 hrs
- TTS 4080 Theory and Practice of Teaching ESOL 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Education Track
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I and 3 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs

Lifelong Learning Track 8 hrs
- MHS 2330 Career Planning and 3 hrs
- Choose Lifelong Learning Specialization courses 5 hrs

Junior Year - Summer 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Senior Year - Fall 13 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

Education Track
- SCE 4360 Science Instructional Analysis and 4 hrs
- SCE 3840 Internship and 3 hrs
- BCH 4053 Biochemistry I 3 hrs

Lifelong Learning Track 10 hrs
- Choose Lifelong Learning Specialization courses 10 hrs
Senior Year - Spring
Education Track 12 hrs
SCE 4941 Internship and 9 hrs
ESE 4033C Critical Issues and Trends in Secondary 3 hrs
Education

Lifelong Learning Track
Choose Lifelong Learning Specialization courses 12 hrs

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

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Secondary Education - Science Education Physics
Track (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Malcolm Butler, ED 322U, malcolm.butler@ucf.edu,
407-823-3272
Dr. Janet Andreassen, ED 123Q, Janet.Andreasen@ucf.edu

The Secondary Education B.S. - Science Education Physics program offers students the option of two tracks: Science Education - Physics Track and Science Education - Physics Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment in formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete the EDF 2005 Introduction to Teaching Profession, EDF 2085 Introduction to Diversity for Educators and EME 2040 Introduction to Technology for Educators courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

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.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirement are subject to change based on state mandates.

1. UCF General Education Program (GEP) (38 hrs)
- Students are advised to take the preferred courses.

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

B: Cultural & Historical Foundations (9 hrs)
- General Education Program elective from section B1 to meet Gordon Rule Requirement

Select 1:
- Prefer MUL 2010 Enjoyment of Music or 3 hrs
- Prefer THE 2000 Theatre Survey or 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1

C: Mathematical Foundations
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs

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

E: Science Foundations
- Required PHY 2048C General Physics Using Calculus I 4 hrs

Select 1:
- Prefer ANT 2511 The Human Species or 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs
- A grade of "C-" (1.75) or better is required.
- A grade of "C-" (1.75) or better is required.

2. Common Program Prerequisites (CPP) (23 hrs)
- See “Common Prerequisites” in the Transfer and Transition Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
MAC 2311C Calculus with Analytic Geometry I GEP 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PHY 2048C General Physics Using Calculus I GEP 4 hrs
PHY 2049C General Physics Using Calculus II 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr

3. Core Requirements: Basic Level (9 hrs)
- Education Track requires 9 semester hours
- Lifelong Learning Track requires 12 semester hours
- PHY 2048C General Physics Using Calculus I GEP 4 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Lifelong Learning Track 6 hrs
MHS 2330 Career Planning 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (47 hrs)
- Education Track requires 50 semester hours
- Lifelong Learning Track requires 47 semester hours
- Education Core Requirements 18 hrs
- Education Track requires 18 semester hours of Education Core Requirements

Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
**UCF Degree Programs**

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<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
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<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
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<tr>
<td>1 TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
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**Lifelong Learning Track**

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**Education Track Specialization Requirements** 13 hrs

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<td>Calculus with Analytic Geometry I</td>
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<td>PHY 2049C</td>
<td>General Physics Using Calculus I</td>
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<td>PHY 3101</td>
<td>General Physics Using Calculus II</td>
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<td>SCE 4361</td>
<td>Programs in Teaching Science</td>
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<td>PHY 3752C</td>
<td>Physics of Scientific Instruments</td>
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<td>PHY 3722C</td>
<td>Physics Laboratory-Electronics</td>
<td>3 hrs</td>
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**Internship I Block** 7 hrs

- Program Internship I Prerequisites: EDG 4410
- TSL 4080, all Common Program Prerequisites, all Core Requirements: Basic Level, and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the 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.

**Internship II Block** 12 hrs

- At least 80% of all required physics 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 all sections [General Knowledge, Professional, and Subject Area (Physics 6-12)] of the Florida Teacher Certification Examination (FTCE) is required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.006.

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 4941</td>
<td>Internship</td>
<td>9 hrs</td>
</tr>
<tr>
<td>ESE 4033C</td>
<td>Critical Issues and Trends in Secondary Education</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Lifelong Learning Track Specialization** 26 hrs

**Requirements**

- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>PHY 3101</td>
<td>General Physics Using Calculus II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3752C</td>
<td>Physics of Scientific Instruments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3722C</td>
<td>Physics Laboratory-Electronics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry I</td>
<td>CPP</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry II</td>
<td>CPP</td>
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<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus I</td>
<td>CPP</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>General Physics Using Calculus II</td>
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</tr>
<tr>
<td>SCE 4361</td>
<td>Programs in Teaching Science</td>
<td>3 hrs</td>
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<tr>
<td>Select 1:</td>
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<tr>
<td>PHY 3752C</td>
<td>Physics of Scientific Instruments</td>
<td>3 hrs</td>
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<td>Select 1:</td>
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<tr>
<td>SCE 4360</td>
<td>Science Instructional Analysis</td>
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<tr>
<td>SCE 3940</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
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</table>

**5. Restricted Electives**

- None

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

**Admissions**

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

**Graduation**

- None

**8. Electives**

- None

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- Achieve a minimum 2.5 GPA in all courses within the major.

- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/
## UCF Degree Programs

### Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

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

### Total Semester Hours Required
- 120

<table>
<thead>
<tr>
<th>Honors In Major</th>
<th>None</th>
</tr>
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<tbody>
<tr>
<td>Related Programs</td>
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<tr>
<td>Certificates</td>
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<tr>
<td>Related Minors</td>
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</tr>
<tr>
<td>Advising Notes</td>
<td>None</td>
</tr>
<tr>
<td>Transfer Notes</td>
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</tr>
</tbody>
</table>

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study (120 hrs)

#### Freshman Year - Fall
- GEP B1 Elective 3 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- **Freshman Year - Spring**
  (16 hrs)
- GEP B3 Elective ( Prefer course from section B1) 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs
- **Select 1:**
  - MUL 2010 Enjoyment of Music or 3 hrs
  - THE 2000 Theatre Survey or 3 hrs
  - PHI 2010 Introduction to Philosophy 3 hrs

#### Freshman Year - Summer
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - EDF 2005 Introduction to the Teaching Profession 3 hrs

1 Transfer notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

#### Sophomore Year - Fall
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- **Select 1:**
  - ANT 2511 The Human Species or 3 hrs
  - BSC 1005 Biological Principles 3 hrs

#### Sophomore Year - Spring
- CHM 2045C Chemistry Fundamentals I 4 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs

#### Education Track
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

### Lifelong Learning Track
- **Select 1:**
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs
  - EDP 2270 Adult Development & Learning 3 hrs

#### Junior Year - Fall
- EDF 4467 Learning Theory and Assessment 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- CHM 2046 Chemical Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

### Education Track
- PHY 3101 General Physics Using Calculus III 3 hrs

### Lifelong Learning Track
- **Select 1:**
  - MHS 2330 Career Planning and 3 hrs
  - ESE 4033C Critical Issues and Trends in Secondary Settings 3 hrs

#### Junior Year - Spring
- SCE 3940 Science Instructional Analysis 3 hrs
- SCE 3941 Internship 3 hrs
- **Select 1:**
  - PHY 3752C Physics of Scientific Instruments or 3 hrs
  - PHY 3722C Physics Laboratory-Electronics 3 hrs

### Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 9 hrs

#### Senior Year - Fall
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

### Education Track
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 3940 Internship 3 hrs
- **Select 1:**
  - EDP 2270 Adult Development & Learning 3 hrs

#### Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 12 hrs

#### Secondary Education - Social Science Education Track (B.S.)
- 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](http://www.ceas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

### College of Education and Human Performance
- [http://education.ucf.edu/ssed/](http://education.ucf.edu/ssed/)
  - Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
  - Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu
UCF Degree Programs

The Secondary Education B.S. - Social Science Education program offers students the option of two tracks: Social Science Education - Education Track and Social Science Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete the EDF 2005 Introduction to Teaching Profession, EDF 2085 Introduction to Diversity for Educators and EME 2040 Introduction to Technology for Educators courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

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.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

   - Students are advised to take preferred courses.

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

   B: Cultural & Historical Foundations (9 hrs)
   - Required AMH 2010 U.S. History: 1492-1877 3 hrs
   - Required EUH 2000 Western Civilization I 3 hrs
   - Select 1:
     - Prefer MUL 2010 Enjoyment of Music or 3 hrs
     - Prefer THE 2000 Theatre Survey or 3 hrs
     - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Select 1:
     - Suggested MGF 1106 Finite Mathematics or 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics 3 hrs
     - Prefer STA 2043C Principles of Statistics 3 hrs

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

   E: Science Foundations (6 hrs)
   - Prefer PSC 1121 Physical Science 3 hrs
   - Select 1:
     - Prefer ANT 2511 The Human Species or 3 hrs
     - Prefer BSC 1005 Biological Principles 3 hrs

   2. Common Program Prerequisites (CPP) (6 hrs)

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

   EDF 2005 Introduction to the Teaching Profession 3 hrs
   AMH 2010 U.S. History: 1492-1877 GEP
   AMH 2020 U.S. History: 1877-Present 3 hrs
   POS 2041 American National Government GEP
   PSY 2012 General Psychology GEP

3. Core Requirements: Basic Level (15 hrs)

   - Education Track requires 15 semester hours
   - Lifelong Learning Track requires 18 semester hours
   - Both the Education Track and Lifelong Learning Track require successful completion of EDF 2085 and EME 2040
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs

   - In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

Education Track (9 hrs)

- Student should consult advisor regarding course options
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- MHS 2330 Career Planning 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (63 hrs)

   - Education Track requires 63 semester hours
   - Lifelong Learning Track requires 60 semester hours

Education Core Requirements (18 hrs)

- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements
- EGD 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Lifelong Learning Track (12 hrs)

- SYG 2000 Introduction to Sociology 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- MHS 2330 Career Planning 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

Lifelong Learning Track Specialization Requirements (27 hrs)

1 Prerequisite to Internship I

Education Track Specialization Requirements (27 hrs)

1. EGD 4410 Teaching Strategies and Classroom Management 3 hrs
2. EDF 4467 Learning Theory and Assessment 3 hrs
3. EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
4. TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
5. EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
6. RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Lifelong Learning Track (3 hrs)

- SSE 4936 Programs in Teaching Social Science 3 hrs

Lifelong Learning Track Specialization Requirements (3 hrs)

- SSE 4936 Programs in Teaching Social Science 3 hrs
- EGD 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, or LAH prefix courses 3/4XXX) 3 hrs
- Upper Division Political Science Elective (CPO, INR, or LAH prefix courses 3/4XXX) 3 hrs
- Upper Division American History Elective (AMH prefix courses 3/4XXX) 3 hrs
UCF Degree Programs

Internship I Block  6 hrs
■ Prior to Internship I, the student must have completed
EDG 4410 Teaching Strategies and Classroom Management, all Common Program Prerequisites, all Core Requirements: Basic Level, and at least 50% of all required social science courses indicated above with a letter grade of “C-” (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, social science, 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/
SSE 4941 Internship  3 hrs
SSE 3940 Internship  3 hrs

Internship II Block  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, social science, and overall for admission to Internship II.
■ Passing scores on all sections [General Knowledge, Professional, and Subject Area (Social Science 6–12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.
SSE 4941 Internship  9 hrs
ESE 4033 Critical Issues and Trends in Secondary Education  3 hrs

Lifelong Learning Track Specialization  39 hrs
■ Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
■ A grade of “C-” (1.75) or better is required.
■ Must have a total of 48 or more hours of upper level courses to graduate.
Field of Concentration Upper Level Courses (1-39 hrs of 1 hr)
AFH, ANH, ASH, CPO, HUM, INR, LAH or POS 3/4XXX)  1 hr
EDG 4941 Directed Field Experience  1 hr
EDG 4948 Service Learning  3 hrs
DIG 3525 Digital Media Production I  3 hrs
DIG 2000 Introduction to Digital Media  3 hrs
DIG 2030 Digital Video Fundamentals  3 hrs
DIG 2109 Digital Imaging Fundamentals  3 hrs
DIG 2500 Fundamentals of Interactive Design  3 hrs
DIG 3811 User-Centered Design  3 hrs
DEP 2004 Developmental Psychology  3 hrs
DEP 3202 Psychology of Exceptional Children  3 hrs
DEP 3464 Psychology of Aging  3 hrs
EXP 3604 Cognitive Psychology  4 hrs
EXP 3250 Principles of Human Factors Psychology  3 hrs
EAB 3703 Principles of Behavior Modification  3 hrs
MAN 3025 Management of Organizations  3 hrs
MAN 4101 Human Relations in Management  3 hrs
MAR 3023 Marketing  3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training  3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry  3 hrs
HFT 2750 The Event Industry  3 hrs
HFT 3798 Fairs and Festivals  3 hrs
HFT 4754 Exhibit and Trade Show Operations  3 hrs
SSE 4361 Social Science Instructional Analysis  3 hrs
SSE 3940 Internship  3 hrs

5. Restricted Electives
■ None

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
Graduation
■ None

8. Electives
■ None

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Achieve a minimum 2.5 GPA in all courses within the major.
■ In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
■ Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

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

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ None

Certificates
■ None

Related Minors
■ None
UCF Degree Programs

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 12 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs

Select 1: 3 hrs
- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs

Freshman Year - Summer 6 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall 15 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ECO 213 Principles of Macroeconomics 3 hrs
- PSC 1121 Physical Science 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Sophomore Year - Spring 12 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Education Track 6 hrs
- ECO 2023 Principles of Microeconomics and 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track 3 hrs
- MHS 2330 Career Planning 3 hrs

Select 1: 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

Sophomore Year - Summer 9 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EUH 2000 Western Civilization I 3 hrs

Education Track 3 hrs
- Upper Division Political Science Elective (CPO, INR, POS 3/4XXX) 3 hrs

Lifelong Learning Track 3 hrs
- Choose Lifelong Learning Specialization courses 3 hrs

Junior Year - Fall 15 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

Education Track 6 hrs
- EUH 2001 Western Civilization II and 3 hrs
- Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX) 3 hrs

Lifelong Learning Track 6 hrs
- Choose Lifelong Learning Specialization courses 6 hrs

Junior Year - Spring 12 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Social Sciences (B.S.)

College of Sciences

Department of Sociology,
Howard Phillips Hall, Room: 403
http://sciences.ucf.edu/socialsciences/
Dr. Elizabeth Grauerholz, Elizabeth.Grauerholz@ucf.edu, 407-823-4241

Students majoring in the Social Sciences Interdisciplinary B.S. program are provided with interdisciplinary breadth and depth in the Social Sciences as they fulfill the requirements of three separate social science minors of their choice, a statistics course, and a methodology course. The Social Science minors are housed in Anthropology, Communication, Political Science, Psychology, Sociology, and Women’s and Gender Studies. This major supports UCF’s goal of offering the best undergraduate education available in Florida with flexibility that is absent in most discipline-specific programs. This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ucf.edu/online for more information.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- Grades below “C” (2.0) in lower level courses and core courses are not accepted.
UCF Degree Programs

Students must achieve a minimum cumulative UCF GPA of 2.0 in all courses satisfying major requirements. Students must maintain a minimum GPA of 2.0 in each Social Science discipline. Internship credit must be approved by Coordinator of Social Sciences.

Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Coordinator of Social Sciences prior to enrollment.

All prerequisites of courses taught within the College of Sciences will be enforced.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
   - Complete one of the following:
     - 1 Suggested SPC 1608 Fundamentals of Oral Communication or
     - Suggested SPC 1603C Fundamentals of Technical Presentations or
     - Prefer COM 1000 Introduction to Communication 3 hrs
   - 1 Required if Communication option of the major is to be followed.
   - B: Cultural & Historical Foundations (9 hrs)
     - Required STA 2014C Principles of Statistics or
   - Required STA 2023 Statistical Methods I 3 hrs
   - Math:
     - You may substitute a higher level math with appropriate scores on the Math Placement Test.
     - Prefer MGF 1107 Explorations in Mathematics or
     - Suggested MGF 1106 Finite Mathematics 3 hrs
   - C: Mathematical Foundations (6 hrs)
     - Required POS 2041 American National Government 3 hrs
   - D: Social Foundations (6 hrs)
     - Select the following course:
     - Required POS 2041 American National Government 3 hrs
   - Select one of the following, depending on the concentration to be followed:
     - Required ANT 2000 General Anthropology or
     - Required PSY 2012 General Psychology or
     - Required SYG 2000 Introduction to Sociology 3 hrs
   - E: Science Foundations (6 hrs)
     - Required STA 2014C Principles of Statistics or
     - Required STA 2023 Statistical Methods I GEP
   - Select one of the following Statistics courses:
     - STA 2014C Principles of Statistics or
     - STA 2023 Statistical Methods I GEP
   - Select at least three of the following, depending on concentrations to be taken:
     - ANT 2000 General Anthropology or
     - POS 2041 American National Government or
     - PSY 2012 General Psychology or
     - SPC 1608 Fundamentals of Oral Communication or
     - SYG 2000 Introduction to Sociology GEP
   - 4. Core Requirements: Advanced Level (57 hrs)
     - Select one methods’ course:
     - Required POS 3703 Scope and Methods of Political Science or
     - Required PSY 3213C Research Methods in Psychology or
     - Required SYA 4300C Research Methods or
     - Required COM 3311 Communication Research Methods 3 hrs

Required Minors:
- Complete the requirements for 3 Social Science minors dealing with the following areas:
- Only one minor may be selected from the same department or school.
- Anthropology 18 hrs
- Political Science 18 hrs
- Psychology 25 hrs
- Sociology 18 hrs
- Women’s and Gender Studies 18 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- Students will be required to take a exit exam in their graduating semester.

7. Foreign Language Requirements
   - Admissions
     - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - Typically none, however some minors require a foreign language. Check with department of minor.

8. Electives
- After meeting with a departmental advisor, select electives primarily from upper level courses to satisfy the 48 hour rule. Courses may be outside the areas.

9. Additional Requirements
- None

10. Required Minors
- Three minors are to be selected from the following listing:
  - However only one minor may be taken within a single department or school.
  - Anthropology
  - Anthropology in Multicultural Studies
  - Crime, Law, and Deviance
  - Diplomacy (At least 6 hrs of Restricted Electives must be taken from courses with INR or POT prefixes)
  - Diversity and Social Inequality
  - Global Peace and Security Studies (At least 9 hrs of Restricted Electives must be COP, INR, or POT prefixes)
  - Global Communication
  - International and Global Studies (3 hrs of Restricted Electives from “Group C. Other” must be COP or SYP prefixes)
  - Journalism Studies
  - Magazine Journalism
  - Mass Communication
  - Mass Culture and Collective Behavior
  - Medical Anthropology
  - Medical Sociology
  - North American Indian Studies
  - Political Science
  - Political Science/Prelaw
  - Psychology
  - Sociology
  - Terrorism Studies (At least 9 hrs of Restricted Electives, including Restricted Upper Division Electives, must be COM, COP, INR, or other prefixes approved by Coordinator of Social Sciences)
  - Women’s and Gender Studies (At least 6 hrs of Restricted Electives must be taken from courses with ANT, CLP, COM, COP, INR, SOP, SYD, SYO, or WST)

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in each Social Science discipline.
- A minimum grade of “C” (2.0) in all core courses is required.
- Students will be required to take a exit exam in their graduating semester.
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- See Coordinator of Social Sciences or HIM Advisor

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Students should seek advising with the Social Sciences Coordinator for major. For advising regarding selected minors, see the Departmental Advisor.

Transfer Notes
- Lower division courses 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 Transfer Courses
- Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
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<tr>
<td>Foreign Language</td>
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<tr>
<td>GEP - Math</td>
<td>3 hrs</td>
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<td>GEP</td>
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Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Core Course</td>
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<tr>
<td>Statistics</td>
<td>3 hrs</td>
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<tr>
<td>ENC 1102 Composition II</td>
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<tr>
<td>Foreign Language</td>
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Sophomore Year - Fall

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<tbody>
<tr>
<td>Core Course</td>
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<tr>
<td>Elective / Minor</td>
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<td>GEP</td>
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Sophomore Year - Spring

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<td>Elective / Minor</td>
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Sophomore Year - Fall

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Junior Year - Fall

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Junior Year - Spring

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<td>Elective / Minor</td>
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<tr>
<td>Free Elective</td>
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Senior Year - Fall

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<th>Course</th>
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<td>Elective / Minor</td>
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<td>Elective / Minor</td>
<td>3 hrs</td>
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Senior Year - Spring

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Restricted Elective</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

Social Work (B.S.W.)

College of Health and Public Affairs

School of Social Work,

Health and Public Affairs I, Room: 204

https://www2.cohpa.ucf.edu/socialwork/

Email: socialwk@ucf.edu

Dr. Bonnie Yegidis, Director
Robin Kohn, Undergraduate Program Coordinator
Catherine Cash, BSW Advisor
Phone: 407-823-2114

Admission Requirements
- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
  - Admission to the University.
  - A 2.5 overall GPA.
  - An AA (from a Florida College System or State University System institution) or UCF General Education Program and Gordon Rule requirement.
  - 15 semester hours common program prerequisites completed with a “C” (2.0) in each course (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.
UCF Degree Programs

Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work.

Students should complete the General Education Program and the Common Program Prerequisite Requirements before beginning the Social Work Program.

Students entering the social work program and completing the program prerequisites including Statistics are required to earn a minimum of "C" (2.0) in each course.

Students should consult with a school advisor.

The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours.

Students meeting the six hours of cultural diversity requirement must earn a minimum of "C" (2.0) in each course.

A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of "C" (2.0) in each course.

Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program.

Students must complete all the requirements listed in 1-11 below.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

   Select 1: 3 hrs
   Required STA 2044 Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)
   See Transfer Notes
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   Required POS 2041 American National Government 3 hrs
   Required PSY 2012 General Psychology 3 hrs

3. Social Foundations (6 hrs)
   Required BSC 1005 Biological Principles 3 hrs

   Select 1: 3 hrs
   ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

4. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (45 hrs)
   SOW 3284 Social Work Perspectives on Social Justice 3 hrs
   SOW 3104 Human Behavior and the Social Environment I 3 hrs
   SOW 3300 Practice I: Generalist Practice in Social Work 3 hrs
   SOW 3111 Human Behavior and the Social Environment II 3 hrs
   SOW 3352 Practice II: Interpersonal Skills in Social Work 3 hrs
   SOW 3401 Social Work Research 3 hrs
   SOW 3620 Culturally Competent Social Work Practice 3 hrs
   SOW 4730 Documentation in Social Work Practice 3 hrs
   SOW 4232 Social Welfare Policies and Issues 3 hrs
   SOW 4341 Micro-Level Roles and Interventions in Social Work 3 hrs
   SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
   SOW 4522 Field Education Seminar 3 hrs
   SOW 4510 Field Education 9 hrs

   Required Principles of Statistics 3 hrs
   Choose one of the following suggested courses, or see advisor for more options:
   STA 2044 Principles of Statistics 3 hrs
   STA 2023 Statistical Methods I 3 hrs

Cultural Diversity Requirement (6 hrs)
   Choose two of the following suggested courses
   ANT 4322 People and Cultures of Latin America 3 hrs
   ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
   ANT 3610 Language and Culture 3 hrs
   ASH 4404 Modern China 3 hrs
   ASH 4424 Modern Japan 3 hrs
   CPO 4303 Comparative Latin American Politics 3 hrs
   HUM 3401 Asian Humanities 3 hrs
   REL 3333 Hinduism 3 hrs
   REL 3363 Islam 3 hrs
   JST 3401 Jewish People in Antiquity 3 hrs
   JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs

5. Restricted Electives (6 hrs)
   Select six hours in consultation with faculty advisor.

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Graduation
   General Cultural Diversity Requirement

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    A minimum overall GPA of 2.5 in all social work courses with a minimum grade of "C" (2.0) or higher in each social work course.

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF.
    A 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 nine hours of Summer credit.

Total Semester Hours Required
120
<table>
<thead>
<tr>
<th>Plan of Study</th>
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<tbody>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>14 hrs</td>
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<tr>
<td>ENC 1101: Composition I</td>
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<tr>
<td>BSC 1005: Biological Principles</td>
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<tr>
<td>GEP Math</td>
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<tr>
<td>PAF 2102: Public Affairs Careers</td>
<td>2 hrs</td>
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<td>Select 1:</td>
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<tr>
<td>SYG 2000: Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012: General Psychology</td>
<td>3 hrs</td>
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<tr>
<td><strong>Freshman Year - Spring</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>ENC 1102: Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C: Principles of Statistics</td>
<td>3 hrs</td>
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<tr>
<td>POS 2041: American National Government</td>
<td>3 hrs</td>
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<tr>
<td>Select 1:</td>
<td>3 hrs</td>
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<td>3 hrs</td>
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<tr>
<td>SYG 2000: Introduction to Sociology</td>
<td>3 hrs</td>
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<tr>
<td>GEP Cultural</td>
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<tr>
<td><strong>Sophomore Year - Fall</strong></td>
<td>15 hrs</td>
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<tr>
<td>GEP Communication</td>
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<td>GEP Historical</td>
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<td>SOW 2003: Careers in Creating Social Change</td>
<td>3 hrs</td>
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<tr>
<td>ECO 2013: Principles of Macroeconomics</td>
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<td>ECO 2023: Principles of Microeconomics</td>
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<td><strong>Sophomore Year - Spring</strong></td>
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<td>Free Elective</td>
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<td>Free Elective</td>
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<tr>
<td>GEP Science</td>
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<tr>
<td>GEP Historical</td>
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<td>Foreign Language II or Cultural Diversity</td>
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<tr>
<td><strong>Sophomore Year - Summer</strong></td>
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<tr>
<td>Select 1:</td>
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<tr>
<td>SOW 3104: Human Behavior and the Social Environment I</td>
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<td>SOW 3300: Practice I: Generalist Practice in Social Work</td>
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<tr>
<td>SOW 3620: Culturally Competent Social Work Practice</td>
<td>3 hrs</td>
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<tr>
<td>SOW Elective</td>
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</table>

### Related Programs
- Criminal Justice
- Psychology
- Sociology
- Public Administration
- Nonprofit Management/National Certification in Nonprofit Management

### Advising Notes
- None

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- POS 2041: may use POS X042 or PUP X099
- BSC 2005: may use BSC X085, BSC X010, or PCB X099
- PSY 2012: may use PSY X020
- SYG 2000: may use SYG X010

### 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)

### Sociology (B.A.)

#### College of Sciences

#### Department of Sociology

[http://sociology.ucf.edu/](http://sociology.ucf.edu/)

#### Email: sociology@ucf.edu

Dr. Elizabeth E. Mustaine, libby@ucf.edu

Phone: 407-823-3744

The Sociology degree, which may be completed online, face-to-face, or as a mix of online and face-to-face courses, has two major goals: 1) to promote undergraduate student excellence and 2) to advance career success for graduates by providing them with tangible, career-oriented skills. A dedicated faculty offers state-of-the-art courses that are relevant to current issues affecting our students' lives and their future careers. Graduates are prepared for careers that require employees who think critically and have analytic and technical skills related to understanding crime, law, and deviance; medical sociology; diversity and inequalities; and/or mass culture and collective behavior. All students complete individual, original research projects. This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See [http://ucf.edu/online](http://ucf.edu/online) for more information.
UCF Degree Programs

Admission Requirements
- None beyond admission to the university.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.
- Students must earn at least a "C" (2.0) or higher in each core course.
- Students must have at least a "C" (2.0) in each UCF course satisfying major requirements.
- Students must maintain a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Experiential Education credit cannot be used for credit in this major.
- Directed Independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.
- No more than 12 hours of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 5907, 4912, 5917, 3940, & 4941) credit may be used for the major.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Students should consult annually with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Math: 3 hrs
   A satisfactory score in the Math Placement Test is required before enrolling in this course.
   Prefer MAC 1105C College Algebra 3 hrs

Statistics: 3 hrs
   Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
   Political Science/Economics 3 hrs
   Select one listed course 3 hrs

Social Sciences 3 hrs
   Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including possible substitutions.
   - SYG 2000 Introduction to Sociology GEP
   - Any course with an SYA, SYD, SYG, SYO, or SYP prefix 3 hrs

3. Core Requirements: Basic Level
   - All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   SYG 2000 Introduction to Sociology GEP/CPP

4. Core Requirements: Advanced Level (15 hrs)
   SYA 3110 The Development of Social Thought 3 hrs
   SYA 4300C Research Methods 4 hrs
   SYA 4450 Data Analysis: Capstone 4 hrs
   SYA 3400C Applied Social Statistics 4 hrs

5. Restricted Electives (27 hrs)
   - All courses with the prefixes SYA, SYD, SYG, SYO, or SYP, including special topics courses, count toward the restricted electives requirement.
   - 5000 level Graduate Courses may be taken by undergraduates with Consent of the Instructor.
   - Students may enroll for up to a total of 12 credit hours of Internship and/or Independent Study during their UCF undergraduate career. Arrangements for internships are coordinated by the Director of Department Undergraduate Program and require approval prior to beginning the work.

6. Capstone Requirements
   - Successful completion of Data Analysis (SYA 4450).

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

Graduation
   - Proficiency equivalent to two semesters of college instruction in either a foreign language, or American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives
   - Select electives primarily from 3000 and 4000 level courses from within the Sociology Department, as well as from other departments.

9. Additional Requirements
   - None

10. Required Minors
   - None

11. Departmental Exit Requirements
    - A minimum of “C” (2.0) or better in each course used for the major.
    - Students must have at least a “C” (2.0) or better overall in the major.
    - For assessment purposes, students are required to take a standard exit exam, for which there is no credit or grade, toward the end of their final semester before graduation.

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

Total Semester Hours Required
- 120

Honors In Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact your advisor for information about the program.

Related Programs
- Anthropology
- Communication & Conflict
- Criminal Justice
- Political Science
- Psychology
- Social Sciences
- Women’s and Gender Studies

Certificates
- None

Related Minors
- None

Advising Notes
- Student majors are assigned a faculty advisor. To meet with your advisor, you should check their office hours or contact them via email or the department office phone to set up an appointment. If you do not know who your advisor is, contact the main office.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).
Acceptable Substitutes for Transfer Courses
- SYG 2000 - Although the Common Program Prerequisites accepts any lower division sociology course, Introduction to Sociology must be taken because it is the basic course in Sociology.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test – http://utc.sdes.ucf.edu

Freshman Year - Fall
- 16 hrs
  - SYG 2000  Introduction to Sociology  3 hrs
  - ENC 1101  Composition I  3 hrs
  - Foreign Language  4 hrs
  - GEP  3 hrs
  - GEP Math  3 hrs

Freshman Year - Spring
- 16 hrs
  - ENC 1102  Composition II  3 hrs
  - STA 2014C  Principles of Statistics  3 hrs
  - Foreign Language  4 hrs
  - Free Elective  3 hrs
  - GEP  3 hrs

Sophomore Year - Fall
- 15 hrs
  - GEP  3 hrs
  - GEP  3 hrs
  - Restricted Elective  3 hrs
  - Free Elective  3 hrs
  - Free Elective  3 hrs

Sophomore Year - Spring
- 16 hrs
  - SYA 3110  The Development of Social Thought  3 hrs
  - GEP  3 hrs
  - GEP  3 hrs
  - Restricted Elective  4 hrs
  - Free Elective  3 hrs

Junior Year - Fall
- 14 hrs
  - SYA 4300C  Research Methods  4 hrs
  - Restricted Elective  3 hrs
  - GEP  3 hrs

Junior Year - Spring
- 14 hrs
  - SYA 4450  Data Analysis: Capstone  4 hrs
  - Free Elective  3 hrs
  - Free Elective  4 hrs
  - Restricted Elective  3 hrs

Senior Year - Fall
- 15 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Free Elective  3 hrs
  - Free Elective  2 hrs

Senior Year - Spring
- 14 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Free Elective  3 hrs
  - Free Elective  2 hrs

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

Equipment Fees
- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

Spanish (B.A.)

College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 519
http://mll.cah.ucf.edu/
Dr. Francisco Fernandez-Rubiera, Rubiera@ucf.edu

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

Admission Requirements
- None

Degree Requirements
- 36 credits in Spanish must be taken at the 3XXX level or above.
- At least 6 of the 36 Spanish credits must be at the 4XXX level.
- At least 30 credit 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 3XXX-4XXX level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP)  (36 hrs)
   - A: Communication Foundations  (9 hrs)
   - B: Cultural & Historical Foundations  (9 hrs)
   - C: Mathematical Foundations  (6 hrs)

2. Common Program Prerequisites (CPP)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - 1 SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs
   - 1 SPN 1121C  Elementary Spanish Language and Civilization II  4 hrs
   - 1 SPN 2200  Intermediate Spanish Language and Civilization I  3 hrs
   - 1 SPN 2201  Intermediate Spanish Language and Civilization II  3 hrs

   1 May be met by proficiency test or completion of SPN 3234

3. Core Requirements: Basic Level
   - None
UCF Degree Programs

4. Core Requirements: Advanced Level (15 hrs)
Select the three following courses 9 hrs
1 SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
1 SPN 3420 Spanish Composition 3 hrs
1 SPN 3760 Advanced Spanish Oral Communication 3 hrs

Select two of the following literature courses: 6 hrs
SPW 3100 Survey of Spanish Literature I or 3 hrs
SPW 3101 Survey of Spanish Literature II or 3 hrs
SPW 3130 Survey of Latin-American Literature I or 3 hrs
SPW 3131 Survey of Latin-American Literature II 3 hrs

1 A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

5. Restricted Electives (21 hrs)
Select one linguistics course from the following 3 hrs
SPN 4780 Spanish Phonetics 3 hrs
SPN 4800 The Syntax of Spanish 3 hrs
SPN 4801 Spanish Morphology 3 hrs
SPN 4850 Structure of the Spanish Language 3 hrs
SPN 4852 Bilinguismo 3 hrs

Spanish literature beyond the survey level 3 hrs
Any 4XXX level SPW course not already used in the major

Select one Culture and Civilization 3 hrs
SPN 4510 Spanish Civilization and Culture or 3 hrs
SPN 4520 Latin American Civilization and Culture 3 hrs

Additional Spanish electives 12 hrs
Select any 3XXX, 4XXX, 5XXX SPN, SPW, SPT courses not already used in the major *Maximum of 9 hours of 5XXX level courses accepted

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Met by Graduation requirements.

Graduation
Met by Common Program Prerequisites.

8. Electives
Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department with the approval of the Spanish section director.

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
Earn a grade of “C” (2.0) or higher in at least 36 credit hours of upper division Spanish courses.
Students are required to satisfactorily complete a departmental exit exam, entirely in Spanish. The exam is offered each September and February and students need the approval of their advisor to take the exam. Students should discuss the optimal test date with their advisor and the Spanish Section Director. Students may take the Spanish Exit Exam up to a maximum of two times. Students are eligible to take the exam after they complete the literature survey sequence and the linguistics requirement. Exceptions must be approved by the student’s Spanish advisor and by the Spanish Section Director.

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

Total Semester Hours Required
- 120

Honors in Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-Major.

Related Programs
- French
- Certificates
- Spanish for Health Professionals
- Spanish for the Legal World
- Translation and Interpretation

Related Minors
- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
None

Transfer Notes
Lower division courses do not substitute for upper division courses.
Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.
- Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute Third-year level, composition, grammar and conversation courses.

Acceptable Substitutes for Transfer Courses
None

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

Freshman Year - Fall 16 hrs
- ANT 2000 General Anthropology 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization 4 hrs
- Elective / Minor 3 hrs

Freshman Year - Spring 14 hrs
- ENC 1102 Composition II 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- Elective / Minor 4 hrs
- GEP C.2 Math Foundation 3 hrs

Sophomore Year - Fall 15 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Sophomore Year - Spring 15 hrs
- BSC 1005 Biological Principles 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- SPN 3234 Advanced Directed Readings 3 hrs
- Elective / Minor 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Junior Year - Fall 15 hrs
SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
SPN 3420 Spanish Composition 3 hrs
SPN 3760 Advanced Spanish Oral Communication 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Junior Year - Spring 15 hrs
SPW 3101 Survey of Spanish Literature II 3 hrs
SPN 4780 Spanish Phonetics 3 hrs
SPN 3141 Business Spanish II 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Senior Year - Fall 15 hrs
SPW 3100 Survey of Spanish Literature I 3 hrs
SPN 4510 Spanish Civilization and Culture 3 hrs
SPN 5705 Spanish Psycholinguistics 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
SPW 3101 Survey of Spanish Literature II 3 hrs
SPW 4604 Cervantes 3 hrs
SPN 4410 Advanced Spanish Conversation 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

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

Sport and Exercise Science (B.S.)
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
http://education.ucf.edu/sportexscience
Email: SESadvising@ucf.edu
Dr. David Fukuda, David.Fukuda@ucf.edu
Phone: 407-823-0623

The Sport and Exercise Science B.S. program offers students the option of two tracks, Coaching and Human Performance, offered at the Orlando campus. The Coaching track is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e. physical therapy, occupational therapy, and cardiac rehabilitation). Students who may be continuing on to graduate school in a clinical or medical area should consider pre-requisites for graduate school when choosing certain classes. Students are advised to check the Graduate Program’s website for updated information, as well as the Undergraduate Catalog for appropriate General Education courses.

Admission Requirements
■ Complete the University General Education Requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
■ Have a minimum 2.5 overall GPA.
■ Complete program prerequisite courses prior to admission to the major and upper level courses.
■ Meet the Gordon Rule requirement
■ Meet the Foreign Language Admission requirement

Degree Requirements
■ Students should consult with an advisor on a regular basis.
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students should see an advisor prior to selecting this major, and at least every semester thereafter.
■ Students must earn at least a “C” (2.0) in each required course and maintain an overall GPA of at least a 2.5.
■ All pre-requisites for courses taught within the Sport and Exercise Science program will be enforced and a required grade of “C” (2.0) or better must be reflected on the degree audit.
■ Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete the departmental application and approval process.

1. UCF General Education Program (GEP) (37 hrs)
A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Preferred SPH 1008 Fundamentals of Oral Communication 3 hrs

Select 1:
Preferred MUL 2010 Enjoyment of Music or 3 hrs
Preferred THE 2000 Theatre Survey or 3 hrs
Preferred PHI 2010 Introduction to Philosophy 3 hrs
General Education Program elective: Prefer a second course from GEP section B1 3 hrs

B: Cultural & Historical Foundations (9 hrs)
General Education Program elective from section B1 to meet Gordon Rule Requirement

Select 1:
Preferred MGF 1106 Finite Mathematics or 3 hrs
Preferred MAC 1114C College Trigonometry 3 hrs

Select 1:
Preferred STA 2014C Principles of Statistics or 3 hrs
Preferred STA 2023 Statistical Methods I 3 hrs

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

E: Science Foundations (7 hrs)
Required BSC 2010C Biology I 4 hrs

Select 1:
Preferred PSC 1121 Physical Science or 3 hrs
Preferred CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP)
■ See Transfer Notes for possible substitutes for the following course.
BSC 2010C Biology I GEP

3. Core Requirements: Basic Level (22 hrs)
Core Requirements for Sport and Exercise Science (22 hrs)

Science:
PET 3005 Introduction to Sport and Exercise Science 3 hrs
PET 3097 Health and Wellness 3 hrs
PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
APK 4110C Exercise Physiology 3 hrs
PET 4550C Assessment and Evaluation in Exercise Science 3 hrs

Select 1:
PET 3696C Exercise Physiology Anatomy or 4 hrs
PET 3733C Human Anatomy 4 hrs

Select 1:
PET 4312C Applied Biomechanics or 3 hrs
PET 4325 Functional Kinesiology for Sport and Exercise Science 3 hrs
4. Core Requirements: Advanced Level (24 hrs)

- Select one of the following tracks

**A. Track 1 - Coaching (24 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 4132</td>
<td>Human Injuries: Mechanisms &amp; Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3771</td>
<td>Strength and Conditioning Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4050C</td>
<td>Motor Development and Learning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4763</td>
<td>Coaching Methods And Principles</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3204</td>
<td>Sports and Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 4723</td>
<td>Legal Issues in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select one of the following courses under electives if you intend to apply for the Athletic Coaching Endorsement with the FLODE: PEO 3624, PEO 3644, PEO 3324, PEO 3514 or PEO 3041. For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/

**B. Track 2 - Human Performance (24 hrs)**

<table>
<thead>
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<th>Hours</th>
</tr>
</thead>
<tbody>
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<td>ATR 4132</td>
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<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4552</td>
<td>Exercise Prescription for Special Populations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4143</td>
<td>Current Issues &amp; Trends in Sport and Exercise</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3125</td>
<td>Fitness and Weight Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4088</td>
<td>Physical Activity &amp; Preventive Medicine</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (34 hrs)

- Students have the opportunity to add learning experiences by earning a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate study, for example in medicine, physical therapy and other allied health graduate programs.
- Courses are required to be 2000 level or higher.
- Courses completed and already used to satisfy General Education Program, Basic Level, Advanced Level and selected Track requirements may not be used to meet the Restricted Elective requirement.
- Sport and Exercise Science students must select 18 credits of preferred elective courses OR PET 4926 Practicum (9 hrs) AND 9 credits of preferred elective courses.
- If students choose to complete Practicum as part of their restricted electives, it must be done during the final semester of the program. Students may choose to complete a Practicum in an area that is specific to their desired career goals. In order to be placed into practicum, students will need to have a 2.75 GPA.
- Select preferred electives with advisor approval. A minimum of eighteen (18) hours must be selected from the list below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4926</td>
<td>Sport and Exercise Science Practicum</td>
<td>9 hrs</td>
</tr>
<tr>
<td>PET 4063</td>
<td>Personal Training Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4710</td>
<td>Methods for Physical Activity for Children and Adolescents</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4763</td>
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<td>PET 4088</td>
<td>Physical Activity &amp; Preventive Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3020</td>
<td>Teaching Sports Skills</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3504</td>
<td>Fiscal and Facilities: Issues in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

6. Capstone Requirements (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4901</td>
<td>Capstone in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives

- Restricted Electives as listed above.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum overall GPA of 2.5.

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- Coaching
- Fitness Training
- Community Sport and Fitness

Advising Notes

- Students must meet with their advisor before enrolling each term.
- The Practicum experience will provide the student with actual professional experiences and practical hands-on application. The students will be working directly with a Practicum Site Supervisor in the organization and their UCF Faculty Supervisor.
- Students who choose to complete Practicum will be representing not only themselves while on site but also the Sport and Exercise Science Program, the College, and UCF. Therefore, professionalism in manner, ethics, job performance, and dress will be expected at all times. Should there be any question of the performance of the students...
UCF Degree Programs

during their practicum experience, they will be required to meet with their UCF Faculty 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 regarding expectations and improvements will be developed. If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

Transfer Notes
- Courses transferred from private and out-of-state institutions must be evaluated for equivalency credit. The student must provide all documentation.
- Acceptable Substitutes for Transfer Courses
  - The following substitutions are acceptable if taken at a Florida College System institution:
    - BSC 1010C (4 credit hours with lab) will satisfy the BSC2010C Biology I requirement.
    - BSC 2085C OR BSC 2093C (4 credit hours with lab) will satisfy the ZOO 3736C Exercise Physiology Anatomy requirement.

Plan of Study
- The Coaching and Human Performance Tracks follow the same Plan of Study for the Freshman and Sophomore Semesters.

Freshman Year - Fall 12 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs

Select 1:
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Select 1:
- PSC 1121 Physical Science or 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Freshman Year - Spring 13 hrs
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs

Select 1:
- MGF 1106 Finite Mathematics or 3 hrs
- MAC 1114C College Trigonometry 3 hrs

Sophomore Year - Fall 15 hrs
- GEP B1 Elective 3 hrs
- PET 3005 Introduction to Sport and Exercise Science 3 hrs
- Elective Courses (2000 level or higher) 6 hrs

Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring 15 hrs
- PET 3097 Health and Wellness 3 hrs
- GEP B3 Elective ( Prefer course from section B1) 3 hrs
- Elective Course (2000 level or higher) 6 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Coaching Track
Junior Year - Fall 16 hrs
- Elective Course (2000 level or higher) 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- PET 3765 Coaching Theory 3 hrs
- ZOO 3736C Exercise Physiology Anatomy 4 hrs
- PET 4050C Motor Development and Learning 3 hrs

Junior Year - Spring 15 hrs
- Elective Course (2000 level or higher) 3 hrs
- APK 4110C Exercise Physiology 3 hrs
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs

Select 1:
- PET 4926 Sport and Exercise Science Practicum or 9 hrs

Select 1:
- PET 4901 Capstone in Sport and Exercise Science 3 hrs

Select 1:
- ZOO 3736C Exercise Physiology Anatomy or 4 hrs
- ZOO 3733C Human Anatomy 4 hrs

Human Performance Track
Junior Year - Fall 16 hrs
- Elective Course (2000 level or higher) 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4143 Current Issues & Trends in Sport and Exercise Science 3 hrs

Select 1:
- ZOO 3736C Exercise Physiology Anatomy or 4 hrs
- ZOO 3733C Human Anatomy 4 hrs

Junior Year - Spring 15 hrs
- Elective Course (2000 level or higher) 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs
- Elective Course (2000 level or higher) 3 hrs
- PET 4793 Coaching Methods And Principles 3 hrs
- SPM 3204 Sports and Ethics 3 hrs

Select 1:
- PET 4325 Functional Kinesiology for Sport and Exercise Science or 3 hrs
- PET 4312C Applied Biomechanics 3 hrs

Select 1:
- PET 4926 Sport and Exercise Science Practicum or 9 hrs
- Take 3 additional electives in the program approved by advisor 9 hrs

Junior Year - Summer 7 hrs
- Elective Courses (2000 level or higher) 4 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs

Senior Year - Fall 15 hrs
- Elective Course (2000 level or higher) 3 hrs
- PET 4088 Physical Activity & Preventive Medicine 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs
- PET 3125 Fitness and Weight Management 3 hrs

Select 1:
- PET 4325 Functional Kinesiology for Sport and Exercise Science or 3 hrs
- PET 4312C Applied Biomechanics 3 hrs

Senior Year - Spring 12 hrs
- PET 4901 Capstone in Sport and Exercise Science 3 hrs

Select 1:
- PET 4926 Sport and Exercise Science Practicum or 9 hrs
- Take 3 additional electives in the program approved by advisor 9 hrs

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

**Statistics (B.S.)**  
College of Sciences  
Department of Statistics,  
Computer Center II, Room: 212  
http://statistics.cos.ucf.edu/  
Email: statistics@ucf.edu  
Dr. David Nickerson, 407-823-5528  
Phone: 407-823-2289

**Admission Requirements**  
- None

**Degree Requirements**  
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.
- Students must earn at least a "C" (2.0) in each course with a STA prefix.
- Students must achieve a minimum 2.0 cumulative GPA in all computer science and mathematics courses satisfying major requirements.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.
- Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.

#### 1. UCF General Education Program (GEP) (39 hrs)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>COP 3223C Introduction to Programming with C and CPP</td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>MAC 2312 Calculus with Analytic Geometry II and CPP</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III and STA 2023 Statistical Methods I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>STA 2023 Statistical Methods I</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>STA 2023 Statistical Methods I</td>
</tr>
<tr>
<td>STA 2023 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level

- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken;

<table>
<thead>
<tr>
<th>Core: Required, satisfies the CPP</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223C Introduction to Programming with C and CPP</td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I and CPP</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II and CPP</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III and STA 2023 Statistical Methods I</td>
</tr>
</tbody>
</table>

- and two semesters equivalent within the following:

<table>
<thead>
<tr>
<th>or an alternate sequence.</th>
</tr>
</thead>
<tbody>
<tr>
<td>These two semesters only count as one, and are considered as equivalent to the above course.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Core: Required, satisfies the CPP</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2040 Chemistry Fundamentals IA and GEP/CPP</td>
</tr>
<tr>
<td>CHM 2041 Chemistry Fundamentals IB GEP/CPP</td>
</tr>
</tbody>
</table>

- or complete both

<table>
<thead>
<tr>
<th>Lecture plus lab count as one semester.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2046 Chemistry Fundamentals II and CPP</td>
</tr>
<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory CPP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Core: Required, satisfies the CPP</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I and CPP</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II and CPP</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III and STA 2023 Statistical Methods I</td>
</tr>
</tbody>
</table>

| - or |
| SBC 2010C Biology I or GEP/CPP |
| SBC 2011C Biology II or CPP |
| PHY 2048C General Physics Using Calculus I or GEP/CPP |
| PHY 2049C General Physics Using Calculus II |

### 4. Core Requirements: Advanced Level (40 hrs)

<table>
<thead>
<tr>
<th>Core: Required, satisfies the CPP</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 4102 Computer Processing of Statistical Data</td>
</tr>
<tr>
<td>STA 4163 Statistical Methods II</td>
</tr>
<tr>
<td>STA 4164 Statistical Methods III</td>
</tr>
<tr>
<td>STA 4321 Statistical Theory I</td>
</tr>
<tr>
<td>STA 4322 Statistical Theory II</td>
</tr>
<tr>
<td>ENC 3241 Writing for the Technical Professional</td>
</tr>
<tr>
<td>COT 4500 Numerical Calculus</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select from the following courses;</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAS 3105 Matrix and Linear Algebra or</td>
</tr>
<tr>
<td>MAS 3106 Linear Algebra</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select from the following courses;</th>
</tr>
</thead>
<tbody>
<tr>
<td>COT 3100C Introduction to Discrete Structures or</td>
</tr>
<tr>
<td>MTH 3302 Logic and Proof in Mathematics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select from the following courses;</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 3096 Statistical Graphics or</td>
</tr>
<tr>
<td>STA 4173 Biostatistical Methods or</td>
</tr>
<tr>
<td>STA 4183 Theory of Interest or</td>
</tr>
<tr>
<td>STA 4184 Introduction to Derivative Markets or</td>
</tr>
<tr>
<td>STA 4186 Theory of Derivative Pricing or</td>
</tr>
<tr>
<td>STA 4222 Sample Survey Methods or</td>
</tr>
<tr>
<td>STA 4502 Nonparametric Statistical Methods or</td>
</tr>
<tr>
<td>STA 4504 Categorical Data Analysis or</td>
</tr>
<tr>
<td>STA 4664 Statistical Quality Control or</td>
</tr>
<tr>
<td>STA 4852 Applied Time Series</td>
</tr>
</tbody>
</table>

Complete two laboratory courses designed for science majors;

- The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.
- Note: both semesters do not have to be in the same subject area.
- Note: depending on which courses were taken in the GEP, this requirement could require between 0 and 8 credits to complete.

Select two semesters within the following;

- See Basic Core for details.
- Biology majors’ courses with labs or Chemistry majors’ courses with labs or Physics majors’ courses with labs.

#### 2. Common Program Prerequisites (CPP) (11 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including some possible substitutes.

| COP 3223C Introduction to Programming with C |
| MAC 2311C Calculus with Analytic Geometry I GEP |
| MAC 2312 Calculus with Analytic Geometry II |
| MAC 2313 Calculus with Analytic Geometry III |
| STA 2023 Statistical Methods I GEP |

**Note:** depending on which courses were taken in the GEP, this requirement could require between 0 and 8 credits to complete.
5. Restricted Electives (9 hrs)
- Select from upper division or graduate (5000 level), mathematics, computer science courses.
- The following courses cannot be used to satisfy this requirement:
  - MAC 2333 Concepts of Calculus 3 hrs
  - MAC 2253 Applied Calculus 3 hrs
  - MAC 2254 Applied Calculus II 3 hrs
  - MHF 4404 History of Mathematics 3 hrs
  - All MAE courses

6. Capstone Requirements
- None

7. Foreign Language Requirements

8. Electives
Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- The following courses from business may be used without prior approval by the Statistics Department.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs
  - FIN 3403 Business Finance 3 hrs

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must earn at least a “C” (2.0) in each course with a STA prefix.
- Students must achieve a minimum 2.0 cumulative GPA in all computer science and mathematics courses satisfying major requirements.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Take SOA Exam P (Probability) and report the score to the department.

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Mathematics - Applied Track
- Mathematics Education

Certificates
- None

Related Minors
- Statistics
- Mathematics

Advising Notes
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.
- Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Sciences courses and still may need to be taken.
- Biology: any 2 laboratory courses for majors with BSC, CHM, or PHY prefixes will satisfy the CPP. However the listed biology courses are also a core requirement and will need to be taken.
- Statistics: although any STA 2XXX course will satisfy the CPP, the listed course is required in the program’s core and will still need to be taken.

Plan of Study (120 hrs)
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test – http://knightsource.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test – http://utc.sdes.ucf.edu
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs

Freshman Year - Spring
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs

Select one course:
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- PHY 2053C College Physics I 4 hrs

Sophomore Year - Fall
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- STA 4163 Statistical Methods II 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- STA 4164 Statistical Methods III 3 hrs
- COP 3223C Introduction to Programming with C 3 hrs
- Core Course 3 hrs
- Core Course 4 hrs

Junior Year - Fall
- STA 4321 Statistical Theory I 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs

Junior Year - Spring
- STA 4322 Statistical Theory II 3 hrs
- Core Course 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 4102  Computer Processing of Statistical Data</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4500  Numerical Calculus</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3241  Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Take SOA EXAM P (Probability).</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

Teacher Education - Art Education Track (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
[http://education.ucf.edu/arter](http://education.ucf.edu/arter)
Dr. Debra McGann, ED 122C, debra.mcgann@ucf.edu
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu

The Teacher Education B.S. - Art Education program offers students the option of two tracks: Art Education - Education Track and Art Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete the EDF 2005 Introduction to Teaching Profession, EDF 2085 Introduction to Diversity for Educators and EME 2040 Introduction to Technology for Educators courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA.
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

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

1. UCF General Education Program (GEP) (36 hrs)
- Students are strongly advised to take the preferred courses.

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

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

Select 1:
- Preferred MUL 2010 Enjoyment of Music or | 3 hrs |
- Preferred THE 2000 Theatre Survey or | 3 hrs |
- Preferred PHI 2010 Introduction to Philosophy | 3 hrs |

1 A grade of "C-" (1.75) or better is required

C: Mathematical Foundations (6 hrs)
- Preferred MGF 1106 Finite Mathematics | 3 hrs |
- Preferred STA 2024C Principles of Statistics | 3 hrs |

D: Social Foundations (6 hrs)
- Preferred AMH 2020 U.S. History: 1877-Present | 3 hrs |
- Preferred PSY 2012 General Psychology | 3 hrs |

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

Select 1:
- Preferred ANT 2511 The Human Species or | 3 hrs |
- Preferred BSC 1005 Biological Principles | 3 hrs |

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession | 3 hrs |

3. Core Requirements: Basic Level (33 hrs)
- Education Track requires 33 semester hours
- Lifelong Learning Track requires 39 semester hours
- 1 EDF 2085 Introduction to Diversity for Educators | 3 hrs |
- 1 EME 2040 Introduction to Technology for Educators | 3 hrs |
- ARH 2050 History of Western Art I | GEP |
- ARH 2051 History of Western Art II | 3 hrs |
- ART 2201C Design Fundamentals-Two Dimensional | 3 hrs |
- ART 2203C Design Fundamentals-Three Dimensional | 3 hrs |
- ART 2300G Drawing Fundamentals I | 3 hrs |
- ART 2301C Drawing Fundamentals II | 3 hrs |
- GRA 2101C Introduction to Computer Art | 3 hrs |
- ART 2754C Beginning Ceramics | 3 hrs |
- ART 2500C Beginning Painting | 3 hrs |
- PGY 2401C Beginning Photography | 3 hrs |

Lifelong Learning Track (6 hrs)
- MHS 2330 Career Planning | 3 hrs |

Select 1:
- EDF 2130 Child and Adolescent Development for Educators or | 3 hrs |
- EDP 2270 Adult Development & Learning | 3 hrs |

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

4. Core Requirements: Advanced Level (48 hrs)
- Education Track requires 54 semester hours
- Lifelong Learning Track requires 48 semester hours

Education Core Requirements (15 hrs)
- Education Track requires 15 semester hours of Education Core Requirements
- Lifelong Learning Track requires 18 semester hours of Education Core Requirements
- 1 EDF 4410 Teaching Strategies and Classroom Management | 3 hrs |
- EDF 4467 Learning Theory and Assessment | 3 hrs |
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools | 3 hrs |
- 1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools | 3 hrs |
- RED 4043 Content Reading in Kindergarten through Grade 12 | 3 hrs |

Lifelong Learning Track
- EEQ 4242 Teaching Exceptional Students in Secondary Settings | 3 hrs |

1 Prerequisite for Internship I (Education Track Only)
Education Track Specialization Requirements 24 hrs

- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 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
- ARE 4453 Studio Experiences in Art Education 3 hrs
- Any 3000 or 4000 level ART, ARE, ARH, PST (with advisor's approval) 9 hrs

Internship I 3 hrs
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, all Common Program Prerequisites, all Core Requirements: Basic Level, either ARE 4351 Teaching Art in the Elementary School or ARE 4352 Teaching Art in the Secondary School, and at least 50% of all required art courses indicated 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 strongly recommended during the first semester and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: 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/
- ARE 3940 Internship 3 hrs

Internship II Block 12 hrs
- 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.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Art K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education rule 6A-5.066.
- ARE 4941 Internship 9 hrs
- ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track Specialization Requirements 30 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required
- Must have a total of 48 or more hours of upper level courses to graduate
- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- ARE 4351 Teaching Art in the Elementary School 3 hrs
- ARE 4250 Art for Exceptionalities 3 hrs
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ARE 4453 Studio Experiences in Art Education 3 hrs
- Any 3000 or 4000 level ART, ARE, ARH, PST (with advisor's approval) 9 hrs
- EDG 4453 Studio Experiences in Art Education 3 hrs
- EDG 4941 Directed Field Experience 1 hr
- EDG 4948 Service Learning 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030 Digital Video Fundamentals 3 hrs
- DIG 2109 Digital Imaging Fundamentals 3 hrs
- DIG 2500 Fundamentals of Interactive Design 3 hrs
- DIG 3811 User-Centered Design 3 hrs
- DEP 2004 Developmental Psychology 3 hrs
- DEP 3202 Psychology of Exceptional Children 3 hrs
- DEP 3464 Psychology of Aging 3 hrs
- EXP 3604 Cognitive Psychology 4 hrs
- EXP 3250 Principles of Human Factors Psychology 3 hrs
- EAB 3703 Principles of Behavior Modification 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAN 4101 Human Relations in Management 3 hrs
- MAR 3023 Marketing 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- HFT 2750 The Event Industry 3 hrs
- HFT 3798 Fairs and Festivals 3 hrs
- HFT 4754 Exhibit and Trade Show Operations 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- 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)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
UCF Degree Programs

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
- **Total Semester Hours Required**
  - **126**
- **Honors In Major**
  - None
- **Related Programs**
  - None
- **Certificates**
  - None
- **Related Minors**
  - None
- **Advising Notes**
  - Consult with your Education advisor and review your degree audit for more recent information.
- **Transfer Notes**
  - None
- **Acceptable Substitutes for Transfer Courses**
  - None
- **Plan of Study**
  - The program of study will be affected by course offerings and availability. Please see the Art Education website at [http://education.ucf.edu/arted/](http://education.ucf.edu/arted/) for the advising outcomes and availability. Please see the Art Education Plan of Study for more recent information.

### Education Track

**Sophomore Year - Summer**

- **6 hrs**
  - SPC 1608 Fundamentals of Oral Communication
  - PSC 1121 Physical Science

**Sophomore Year - Fall**

- **12 hrs**
  - ART 2203C Design Fundamentals-Three Dimensional
  - BSC 1005 Biological Principles
  - EDF 2005 Introduction to the Teaching Profession
  - STA 2014C Principles of Statistics

**Sophomore Year - Spring**

- **15 hrs**
  - GRA 2101C Introduction to Computer Art
  - ART 2300C Drawing Fundamentals
  - EDF 2065 Introduction to Diversity for Educators
  - EME 2040 Introduction to Technology for Educators

**Select 1:**

- **3 hrs**
  - MUL 2010 Enjoyment of Music or
  - THE 2000 Theatre Survey or
  - PHI 2010 Introduction to Philosophy

**Sophomore Year - Summer**

- **6 hrs**
  - TSL 4080 Theory and Practice of Teaching ESOL
  - ART 2301C Drawing Fundamentals II

**Junior Year - Fall**

- **15 hrs**
  - PGY 2401C Beginning Photography
  - EDF 4467 Learning Theory and Assessment
  - EDG 4410 Teaching Strategies and Classroom Management
  - ART 2500C Beginning Painting

**Education Track**

- **3 hrs**
  - ARE 4356 Teaching Art Appreciation & Criticism in the Classroom

**Lifelong Learning Track**

- **3 hrs**
  - Choose a Lifelong Learning Specialization course

**Junior Year - Spring**

- **15 hrs**
  - RED 4043 Content Reading in Kindergarten through Grade 12

### Lifelong Learning Track

**Select 1:**

- **3 hrs**
  - ARE 4940 Internship and
  - MHS 2330 Career Planning and
  - EEX 4242 Teaching Exceptional Students in Secondary Settings and
  - EDF 2130 Child and Adolescent Development for Educators or
  - EDF 2270 Adult Development & Learning

**Senior Year - Fall**

- **12 hrs**
  - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools

**Education Track**

- **9 hrs**
  - ARE 4351 Teaching Art in the Elementary School
  - ARE 3940 Internship and
  - Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)

**Lifelong Learning Track**

- **9 hrs**
  - Choose Lifelong Learning Specialization courses

**Senior Year - Spring**

- **12 hrs**
  - ESE 4033C Critical Issues and Trends in Secondary Education

**Education Track**

- **9 hrs**
  - ARE 4941 Internship and
  - ESE 4033C Critical Issues and Trends in Secondary Education

**Lifelong Learning Track**

- **9 hrs**
  - Choose Lifelong Learning Specialization courses

**Program Academic Learning Compacts**

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

### Equipment Fees

- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

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**Teacher Education - Physical Education Track (B.S.)**

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership, Education Complex, Room: 209**

[http://education.ucf.edu](http://education.ucf.edu)

Patty Lanier, ED 320G, pattylanier@ucf.edu, 407-823-6759

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Teacher Education B.S. - Physical Education program is appropriate for students interested in opportunities for employment with formal, K-12 schools that require state of Florida teacher certification.

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida College System or State University System institution.
UCF Degree Programs

- Have a minimum 2.5 overall GPA.
- Complete the EDF 2005 Introduction to Teaching Profession, EDF 2085 Introduction to Diversity for Educators and EME 2040 Introduction to Technology for Educators courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).

Degree Requirements

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

1. UCF General Education Program (GEP) (37 hrs)

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

B: Cultural & Historical Foundations (9 hrs)
- General Education Program course from section B1 3 hrs
- chosen to meet Gordon Rule requirement
- General Education Program course: Prefer a second course from GEP section B1 3 hrs

Select 1: 3 hrs
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy or 3 hrs
- Prefer MUL 2010 Enjoyment of Music 3 hrs

C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs
- Prefer MAC 1105C College Algebra or 3 hrs
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs

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

E: Science Foundations (7 hrs)
- Prefer PSC 1121 Physical Science 3 hrs
- Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (3 hrs)

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

EDP 2005 Introduction to the Teaching Profession 3 hrs

3. Core Requirements: Basic Level (20 hrs)

- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- BSC 2010C Biology I GEP
- ZOO 3736C Exercise Physiology Anatomy 4 hrs
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- Electives 4 hrs

Select 1: 3 hrs
- PEO 2011 Team Sports or 3 hrs
- PEO 2031 Individual Sports 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

4. Core Requirements: Advanced Level (60 hrs)

Education Core Requirements 12 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Specialization Requirements 30 hrs

- DAE 3370 Dance and Rhythms 3 hrs
- PEO 3041 Games Analysis 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4325 Functional Kinesiology for Sport and Exercise Science 3 hrs
- APK 4110C Exercise Physiology 3 hrs
- PET 4401 Administration and Evaluation in Sport and Fitness 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs
- PET 3820 Teaching Sports Skills I 3 hrs
- PET 3765 Coaching Theory 3 hrs

Internship I Block: 6 hrs

- Prior to Internship I, the student must have completed EDF 4410 Teaching Strategies and Classroom Management, all Common Program Prerequisites, all Core Requirements: Basic Level and at least 50% of all required physical education courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

1 PET 4710 is taken concurrently with ESE 3940 Internship I- Secondary 3 hrs

Internship II Block: 12 hrs

- At least 80% of all required physical education 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 all sections [General Knowledge,Professional, and Subject Area (Physical Education K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

1 EDF 4943 Internship II- Secondary 12 hrs

UNIVERSITY OF CENTRAL FLORIDA

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UCF Degree Programs

5. Restricted Electives
   • None

6. Capstone Requirements
   • None

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

8. Electives
   • None

9. Additional Requirements
   • None

10. Required Minors
    • None

11. Departmental Exit Requirements
    • Achieve a minimum 2.5 GPA in all courses within the major.
    • In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/
    • Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

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

Total Semester Hours Required
• 120

Honors In Major
• None

Related Programs
• None

Certificates
• None

Related Minors
• None

Advising Notes
• None

Transfer Notes
• None

Acceptable Substitutes for Transfer Courses
• None

Plan of Study

Freshman Year - Fall 13 hrs
BSC 2010C  Biology I  4 hrs
EDF 2005  Introduction to the Teaching Profession  3 hrs
ENC 1101  Composition I  3 hrs

Select 1: 3 hrs
MGF 1106  Finite Mathematics or  3 hrs
MAC 1105C  College Algebra  3 hrs

Freshman Year - Spring 15 hrs
PSC 1121  Physical Science  3 hrs
EDF 2085  Introduction to Diversity for Educators  3 hrs
ENC 1102  Composition II  3 hrs
STA 2014C  Principles of Statistics  3 hrs

Select 1: 3 hrs
PHI 2010  Introduction to Philosophy or  3 hrs
THE 2000  Theatre Survey or  3 hrs
MUL 2010  Enjoyment of Music  3 hrs

Freshman Year - Summer 6 hrs
EME 2040  Introduction to Technology for Educators  3 hrs
POS 2041  American National Government  3 hrs

Sophomore Year - Fall 13 hrs
PSY 2012  General Psychology  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
AMH 2010  U.S. History: 1492-1877  3 hrs
ZOO 3736C  Exercise Physiology Anatomy  4 hrs

Sophomore Year - Spring 13 hrs
GEP B1 Elective  3 hrs
ATR 4132  Human Issues: Mechanisms & Prevention  3 hrs
Select electives with advisor approval  4 hrs

Select 1: 3 hrs
PEO 2011  Team Sports or  3 hrs
PEO 2031  Individual Sports  3 hrs

Junior Year - Fall 15 hrs
PEO 3041  Games Analysis  3 hrs
PET 4050C  Motor Development and Learning  3 hrs
APK 4110C  Exercise Physiology  3 hrs
1 EDG 4410  Teaching Strategies and Classroom Management  3 hrs
EDF 4467  Learning Theory and Assessment  3 hrs

1 Required prior to Internship I

Junior Year - Spring 15 hrs
PET 3820  Teaching Sports Skills I  3 hrs
PET 4325  Functional Kinesiology for Sport and Exercise Science  3 hrs
DAE 3370  Dance and Rhythms  3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs

Junior Year - Summer 6 hrs
PET 3765  Coaching Theory  3 hrs
PET 4552  Exercise Prescription for Special Populations  3 hrs

Senior Year - Fall 12 hrs
ESE 3940  Internship I - Secondary  3 hrs
1 PET 4710  Methods for Physical Activity for Children and Adolescents  3 hrs
PET 4401  Administration and Evaluation in Sport and Fitness  3 hrs
PET 4550C  Assessment and Evaluation in Exercise Science  3 hrs

1 PET 4710 is taken concurrently with ESE 3940 Internship I

Senior Year - Spring 12 hrs
ESE 4943 Internship II - Secondary  12 hrs

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

Teacher Education - World Languages Education

Spanish Track (B.S.)

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://www.education.ucf.edu/language

Email: kverkler@mail.ucf.edu

Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Teacher Education B.S. - World Languages Education Spanish program offers students the option of two tracks: World Languages Education - Spanish Track and World Languages Education - Spanish Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete the EDF 2005 Introduction to Teaching Profession, EDF 2085 Introduction to Diversity for Educators and EME 2040 Introduction to Technology for Educators courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

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.
- The Education Track is a state-approved, initial teacher education program and does not require the General Knowledge Test.

1. UCF General Education Program (GEP) (36 hrs)
   - Students are advised to take the preferred courses.

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

B: Cultural & Historical Foundations (9 hrs)
   - General Education Program course from Section B1 to meet Gordon Rule Requirement

Select 1: (3 hrs)
   - Prefer MUL 2010 Enjoyment of Music or 3 hrs
   - Prefer THE 2000 Theatre Survey or 3 hrs
   - Prefer PHI 1010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
   - Prefer MGF 1106 Finite Mathematics 3 hrs
   - Preferred STA 2014C Principles of Statistics 3 hrs

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

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

Select 1: (3 hrs)
   - Prefer ANT 2511 The Human Species or 3 hrs
   - Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs

3. Core Requirements: Basic Level (21 hrs)

- Education Track requires 21 semester hours
- Lifelong Learning Track requires 24 semester hours
- Students should consult advisor regarding course options.

1. EDF 2085 Introduction to Diversity for Educators 3 hrs
2. EME 2040 Introduction to Technology for Educators 3 hrs
3. SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs
4. SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
5. SPN 3420 Spanish Composition 3 hrs
6. SPW 3100 Survey of Spanish Literature I 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
2 SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101

Education Track

1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
2 EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (57 hrs)

- Education Track requires 60 semester hours
- Lifelong Learning Track requires 57 semester hours

Education Core Requirements (18 hrs)

1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
2 EDF 4467 Learning Theory and Assessment 3 hrs
3 TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
   Students in Schools
4 RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
5 EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
6 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

1 Pre-requisite for Internship I (Education Track)
2 Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

Education Track Specialization Requirements (21 hrs)

1 FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
2 FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
3 SPN 3760 Advanced Spanish Oral Communication 3 hrs
4 SPW 3101 Survey of Spanish Literature II 3 hrs
5 SPN 3344 Advanced Spanish Native Fluency I 3 hrs
6 SPN 3345 Advanced Spanish Native Fluency II 3 hrs
7 SPN 4520 Latin American Civilization and Culture 3 hrs

1 Required prior to Internship I
2 SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101.
Upper Division Restricted Electives 6 hrs
- Florida College System institution transfer students may substitute lower division restricted electives.
- Select two upper division Spanish courses (SPN 3/4XXX) 6 hrs with advisor's consent. The following courses are recommended:
  - SPN 4410 Advanced Spanish Conversation 3 hrs
  - SPN 4421 Advanced Spanish Composition 3 hrs
  - SPN 4510 Spanish Civilization and Culture 3 hrs

Other Cognate Requirements 3 hrs
Select 1: 3 hrs
- SPN 4852 Bilinguismo or 3 hrs
- SPN 4800 The Syntax of Spanish or 3 hrs
- SPN 4801 Spanish Morphology 3 hrs

Internship I 3 hrs
- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, all Common Program Prerequisites, all Core Requirements: Basic Level, 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.
- 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.clinicalexperiences.education.ucf.edu.
- FLE 3940 Internship 3 hrs

Internship II Block 12 hrs
- At least 50% of all required foreign language courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Spanish K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II. Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.
  - FLE 4941 Internship 9 hrs
  - ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track Specialization 39 hrs
Requirements
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

SPN 3760 Advanced Spanish Oral Communication 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
SPN 4520 Latin American Civilization and Culture 3 hrs
SPN 4410 Advanced Spanish Conversation 3 hrs
SPN 4421 Advanced Spanish Composition 3 hrs
SPN 4510 Spanish Civilization and Culture 3 hrs
SPN 4852 Bilinguismo 3 hrs
SPN 4800 The Syntax of Spanish 3 hrs
SPN 4801 Spanish Morphology 3 hrs
Upper division electives (SPN 3/4XXX with advisor’s consent) 3 hrs
FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004 Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604 Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703 Principles of Behavior Modification 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
COM 3311 Communication Research Methods 3 hrs
COM 4461 Intercultural Communication 3 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs
SPC 3301 Interpersonal Communication 3 hrs
SPC 3445 Leadership Through Oral Communication 3 hrs
SPC 4331 Nonverbal Communication 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and
development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)
- A 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 nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Recommended Four Year Sequence of Courses

Freshman Year - Fall
- GEP B1 Elective 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring
- GEP B3 Elective (Refer course from section B1) 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs

Freshman Year - Summer
- SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs

Select 1:
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Education Track
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

Sophomore Year - Summer
- SPW 3100 Survey of Spanish Literature I 3 hrs

Junior Year - Fall
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs

Education Track
- SPN 3344 Advanced Spanish Native Fluency I and 3 hrs
- SPN 3760 Advanced Spanish Oral Communication and 3 hrs
- SPW 3101 Survey of Spanish Literature II and 3 hrs
- SPN 4520 Latin American Civilization and Culture 3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 12 hrs

Junior Year - Spring
- EDF 4467 Learning Theory and Assessment 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Education Track
- SPN 3345 Advanced Spanish Native Fluency II 3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 3 hrs

Junior Year - Summer
- EDF 4003 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

Education Track
- FLE 4314 Foreign Language Teaching in Elementary Schools and 3 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 6 hrs

Senior Year - Fall
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Education Track
- FLE 3940 Internship 3 hrs

Select 1:
- SPN 4410 Advanced Spanish Conversation or 3 hrs
- SPN 4421 Advanced Spanish Composition or 3 hrs
- SPN 4510 Spanish Civilization and Culture 3 hrs

Select 1:
- SPN 4852 Bilinguismo or 3 hrs
- SPN 4800 The Syntax of Spanish or 3 hrs
- SPN 4801 Spanish Morphology 3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 9 hrs

Senior Year - Spring
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

Education Track
- FLE 4941 Internship and 3 hrs
- ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 12 hrs
Technical Education and Industry Training (B.S.)
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Dr. Jo Ann M. Whiteman, ED 123 N, JoAnn.Whiteman@ucf.edu,
407-823-5305

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrib.ucf.edu/home.

Admission Requirements
- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida College System or State University institution).
- Have a minimum 2.5 overall GPA
- Complete prerequisite courses
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements
- Students should consult with an Education advisor prior to registration.
- This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community and state colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor’s degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (9 hrs)
   EDF 2005 Introduction to the Teaching Profession 3 hrs
   EDF 2085 Introduction to Diversity for Educators 3 hrs
   EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (30 hrs)
   ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
   ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
   ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs

ECT 3367 Evaluation of Career & Technical Education 3 hrs
ECT 3564 Special Populations in Career & Technical Education 3 hrs
ECT 4004 Principles and Practices of Technical Education 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs
ECT 4815 Safety in the Technical Education Classroom and Laboratory 3 hrs

Select 1:
- BTE 4410 Course Construction in Business Education 3 hrs
- ECW 3312 Course Construction in Health Occupations Education or
- ECT 3371 Course Construction in Industrial Education 3 hrs

Technical Specialization Requirements 27 hrs
- Students must complete an area of specialization through occupation-specific courses approved by advisor.

5. Restricted Electives (18 hrs)
   Upper Division Electives 6 hrs
   - With advisor’s approval

Directed Field Experience 12 hrs
- The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

6. Capstone Requirements
   - None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Achieve a minimum 2.5 GPA in all courses within the major.

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

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None
<table>
<thead>
<tr>
<th>Year</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
<th>Senior Year (Fall)</th>
<th>Senior Year (Spring)</th>
</tr>
</thead>
<tbody>
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**Program Academic Learning Compacts**

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

**Theatre - Acting Track (B.F.A.)**

**College of Arts and Humanities**

**Department of Theatre,**

**Performing Arts Center,** Room: T210A


**Email:** theatre@ucf.edu

Be Boyd Coordinator, Belinda.Boyd@ucf.edu

Phone: 407-823-2862

The Bachelor of Fine Arts track in Acting is offered for students who, upon graduation, plan to pursue a specialized performance career in Acting. It provides the student with a thorough foundation in theatre complemented by very structured and intensive career preparation in all areas of acting. Class work is augmented with practical production experiences. Drawing upon the teachings of Stanislavski-based methodologies, as well as other successful practical acting techniques, the professional acting program offers an organic approach to performance training. The program begins with a focus on the fundamentals of acting: development of imagination, self-awareness, improvisation, voice production/diction and movement. During the first two years, the student also receives training in script analysis, singing and dance. The training then moves to an emphasis on characterization, character development and studio training/scene study. This practical study, drawn from the total range of dramatic literature, provides the student with performance experiences ranging from the classical to the contemporary, including verse and musical theatre. The program culminates with a professional internship where students are able to apply their education in a real world work environment. While most students choose to enter the work force following graduation, the BFA is an excellent degree for students 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 very challenging. BFA standards are high, both for admission and for continuation in the program.

**Admission Requirements**

- The departmental faculty evaluates students desiring to become BFA majors via auditions and interviews. This should be completed the academic year prior to attending UCF. For complete information visit the audition site online at [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu). 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.

- The Acting plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog. Students must follow the most recent department, internship and school student handbooks which are available at [http://www.performingarts.cah.ucf.edu/theatre/resources](http://www.performingarts.cah.ucf.edu/theatre/resources).

- Students in this major must earn a “C” (2.0) or better or an “S” in each music or theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook- Theatre ([http://www.performingarts.cah.ucf.edu/theatre/resources](http://www.performingarts.cah.ucf.edu/theatre/resources)) for details on program standards.
**UCF Degree Programs**

- **Departmental Residency Requirement** consists of 60 semester hours of courses taken from the UCF Theatre Department.
- All BFA Acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned. Students 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 if they choose. Students may 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 towards electives.
- Internships are subject to departmental approval and may not be fulfilled through participating in a UCF theatre production.
- 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.
- **Co-op** cannot be used in this major.

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

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<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
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<td><strong>Math:</strong></td>
<td><strong>Math:</strong></td>
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<tr>
<td>Suggested MGF 1107 Explorations in Mathematics or MGF 1106 Finite Mathematics or You may substitute a higher level math with appropriate scores on the Math Placement Test.</td>
<td><strong>Statistics - Computers</strong> Select a course from GEP C.2 list</td>
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### 2. Common Program Prerequisites (CPP) (20 hrs)

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

### 3. Core Requirements: Basic Level (12 hrs)

| TPP 2248C | Makeup Techniques |
| TPP 2200C | Ballet |
| TPP 2170C | Acting II - The Actor Prepares |
| TPP 2710C | Voice Production I |
| TPP 2190L | Theatre Participation-Performance I |

#### Select 1:

| DAA 2100C | Modern Dance I or |
| DAA 2570C | Jazz Dance I |

### 4. Core Requirements: Advanced Level (55 hrs)

| THE 3311 | Theatre History and Dramatic Literature I |
| THE 3312 | Theatre History and Dramatic Literature II |
| THE 3313 | Theatre History and Dramatic Literature III |
| TPP 3510C | Directing for Theatre |
| TPP 3173C | Acting III - Building the Character |
| TPP 4140C | Acting IV - Creating the Role |
| TPP 4142C | Acting Verse |

### 5. Restricted Electives (6 hrs)

- Any THE, TPP, TPA, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement. Independent Study, Undergraduate Research, and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved by the Theatre Department Undergraduate Coordinator in advance. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

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

#### Graduation

- None

### 8. Electives

- Variable

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
### UCF Degree Programs

#### Related Programs
- Art
- Film
- Music
- Theatre Studies
- Theatre - Musical Theatre Track

#### Certificates
- None

#### Related Minors
- Theatre
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

#### Advising Notes
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation. Repeated failure to consult with a department advisor may lead to release from the program.

#### Transfer Notes
- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designated for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Courses taken at Florida College System institutions 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 requirements must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- THE 2020 May use any introductory course. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective. THE 2025 May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute.
- TPP 2200 and TPP 2200L may be substituted with any introductory Stagecraft course.
- TPP 3310C Directing for Theatre I may be substituted with any introductory Theatre Directing Course.
- TPP 2110C Acting I - Introduction may be substituted with any introductory acting for theatre course.

#### Plan of Study

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<th>Freshman Year - Fall</th>
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<td>THE 2020</td>
<td>Survey of Theatre for Majors</td>
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<td>Voice Production I</td>
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<td>THE 2305</td>
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<td>TPP 3711C</td>
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</table>

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

### Theatre - Design and Technology Track (B.F.A.)

#### College of Arts and Humanities

#### Department of Theatre,
Performing Arts Center, Room: T210A
[http://theatre.cah.ucf.edu](http://theatre.cah.ucf.edu)
Email: theatre@ucf.edu
Bert Scott, Coordinator, Bert.Scott@ucf.edu

The Bachelor of Fine Arts track in Design and Technology is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a thorough foundation in theatre complemented by very structured and intensive career preparation in all areas of design and technology. Students can expect to work alongside faculty as design or technical assistants in their first two years and will be given the opportunity for technical leadership opportunities including, prop master, master
electrician, first hand, draper, scenic artist, master carpenter, technical director, etc. Those who qualify and wish to pursue design areas can be offered design positions within the production season. The curriculum requires students to become proficient in design and technology related to scenery, costumes, lighting and sound through specified coursework. Students then select one or two areas of specialization where their production assignments will focus in their junior and senior years, thus giving each student practical experience as they build their professional portfolios. The program culminates with a professional internship where students are able to apply their education in a real world work environment. While most students choose to enter the workforce following graduation, the BFA is 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 very challenging. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students thus coordinating production experience with class room exploration.

### Admission Requirements

- The departmental faculty evaluates students desiring to become BFA Design and Technology majors via portfolio reviews and interviews. This should be completed the academic year prior to attending UCF. For complete information visit the audition site online at [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu). 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.
- The Design and Technology plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog. Students must follow the most recent department, internship and school student handbooks which are available at [http://www.performingarts.cah.ucf.edu/theatre/resources](http://www.performingarts.cah.ucf.edu/theatre/resources).
- Students in this major must earn a “C” (2.0) or better or an “S” in each music or theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook- Theatre ([http://www.performingarts.cah.ucf.edu/theatre/resources](http://www.performingarts.cah.ucf.edu/theatre/resources)) for details on program standards.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- All BFA Design and Technology majors are required to participate in Fall and Spring productions and must accept the production positions as assigned. Students 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 if they choose. Students may 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 towards electives.
- Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.

### Courses Designated 2 (Common Program Prerequisites)

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.
- Co-op cannot be used in this major.

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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

1. Required THE 2020 Survey of Theatre for Majors
2. Required ARH 2051 History of Western Art II

- This course is only taught during Fall semesters.

#### 2. Common Program Prerequisites (CPP)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1107 Explorations in Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

You may substitute a higher level math with appropriate scores on the Math Placement Test.

### Statistics - Computers

Select a course from GEP C.2 list

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### D: Social Foundations

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

### E: Science Foundations

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6 hrs</td>
</tr>
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</table>

### 3. Core Requirements: Basic Level

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2051 History of Western Art II</td>
<td>GEP</td>
</tr>
<tr>
<td>TPA 2210L Stagecraft I Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2211 Stagecraft II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2211L Stagecraft II Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2220C Stage Electronics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2071C Theatre Rendering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2232C Costume Construction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2000C Theatre Design Basics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2600 Stage Management: Introduction</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. See Transfer Notes for possible substitutes.

### 4. Core Requirements: Advanced Level

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 3311 Theatre History and Dramatic Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3312 Theatre History and Dramatic Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3313 Theatre History and Dramatic Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TTP 3310C Directing for Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4298C Theatre Participation-Production II</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 3077C Scene Painting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4284 Period Costume, Architecture, and Decor I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4285 Period Costume, Architecture, and Decor II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3195L Summer Theatre Studio/Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3197L Summer Theatre Studio/Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4250C CADD for Theatre</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 4251C Advanced CADD for Theatre</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 4401C Theatre Careers in Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4066C Advanced Scenography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4954 Theatre Exit Critique</td>
<td>0 hrs</td>
</tr>
<tr>
<td>TPF 4940L Theatre Internship</td>
<td>6 hrs</td>
</tr>
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</table>

1. See Transfer Notes for possible substitutes.

### Select 3:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 3060C Scenic Design for Theatre I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3045C Costume Design for Theatre I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3223C Lighting Design for Theatre I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3265C Sound Design for Theatre I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. See Transfer Notes for possible substitutes.

### 5. Restricted Electives

- none

### 6. Capstone Requirements

- none
UCF Degree Programs

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or
     one year of one foreign language in college (or equivalent
     proficiency exam) prior to graduation.
   Graduation
   - none
   8. Electives
   - none
   9. Additional Requirements
   - none
   10. Required Minors
       - none
   11. Departmental Exit Requirements
       - Earn a grade of "C" (2.0) or better in each Theatre
         course
       - Maintain a Theatre GPA of "B" (3.0) or better
       - 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.
   12. University Minimum Exit Requirements
       - A 2.0 UCF GPA
       - 60 semester hours earned after CLEP awarded
       - 48 semester hours of upper division credit completed
       - 30 of the last 39 hours of course work must be
         completed in residency at UCF.
       - A maximum of 45 hours of extension, correspondence,
         CLEP, Credit by Exam, and Armed Forces credits permitted.
       - Complete the General Education Program, the Gordon
         Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 129

Honors In Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-Major.

Related Programs
- Art
- Film
- Music
- Theatre Studies

Certificates
- none

Related Minors
- Theatre
- Event Management
- Performing Arts Administration
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

Advising Notes
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation. Repeated failure to consult with a department advisor may lead to release from the program.

Transfer Notes
- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designated for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.

- Courses taken at Florida College System institutions 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 requirements must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
Acceptable substitutes for common program prerequisites if taken prior to transferring to UCF:

- THE 2020: May use any introductory course, how ever all students are encouraged to take THE 2020. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.
- THE 2305: May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute. Design and Technology students are encouraged to take this course at UCF.
- TPA 2210 may be substituted with any introductory Stagecraft course. TPA 2210L will still need to be taken at UCF.
- TPP 3310C Directing for Theatre I may be substituted with TPP 3200 or any introductory Theatre Directing Course.
- Directing for Film cannot substitute.
- TPP 2110C Acting I- Introduction may be substituted with any introductory acting for theatre course.

Plan of Study

Freshman Year - Fall
- THE 2210 Stagecraft I Lab 3 hrs
- TPA 2210 Stagecraft I Lab 1 hr
- TPA 2200C Theatre Design Basics 3 hrs
- TPA 2220C Stage Electronics 3 hrs
- General Education 3 hrs

Freshman Year - Spring
- TPA 4298L Theatre Participation-Production II 1 hr
- TPA 4299L Stage Elective 3 hrs
- General Education 3 hrs

Sophomore Year - Fall
- TPA 3195L Summer Theatre Studio/Tech/Design I 3 hrs
- TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs
- The 3311 Theatre History and Dramatic Literature I 3 hrs
- TPA 4251C Directing for Theatre I may be substituted with TPP 3200 or any introductory Theatre Directing Course.
- TPP 3310C Directing for Theatre I may be substituted with TPP 3200 or any introductory Theatre Directing Course.
- Directing for Film cannot substitute.
- TPP 2110C Acting I- Introduction may be substituted with any introductory acting for theatre course.

Sophomore Year - Spring
- TPA 4250C CADD for Theatre 3 hrs
- TPA 4271C Theatre Directing 3 hrs
- TPA 4299L Stage Elective 1 hr
- General Education 3 hrs

Junior Year - Fall
- THE 2211 Stagecraft II 3 hrs
- TPA 2211 Stagecraft II Lab 1 hr
- TPP 2300 or any introductory Theatre Directing Course
- TPP 2110C Acting I- Introduction may be substituted with any introductory acting for theatre course.

Junior Year - Spring
- TPA 4401C Theatre Careers in Production 3 hrs
- General Education 3 hrs
- Theatre Elective 3 hrs
The Bachelor of Fine Arts track in Musical Theatre is offered for students who, upon graduation, plan to pursue a specialized performance career on the musical theatre stage. It provides the student with a thorough foundation in theatre complemented by very structured and intensive career preparation in all areas of musical theatre. The Musical Theatre B.F.A. program offers a sequence of courses in acting, movement, voice, dance, music theory, and piano. Classwork is augmented with practical production experiences. Drawing upon a variety of acting, dance, and voice methodologies, the professional musical theatre performance program offers an organic approach to musical theatre performance training. The first two years focus on the fundamentals of music theory, piano, acting, ballet, jazz, and musical theatre voice, with an emphasis on the development of artist’s instrument. During the junior and senior years, emphasis is placed on studio training, musical theatre scene study, and musical theatre repertoire. The program culminates with a professional internship where students are able to apply their education in a real world work environment. While most students choose to enter the work force following graduation, the BFA is an excellent degree for students 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 very challenging. BFA standards are high, both for admission and for continuation in the program.

The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog. Students must follow the most recent department, internship and school student handbooks which are available on the department website at http://www.performingarts.cah.ucf.edu/theatre/resources.
- Students in this major must earn a “C” (2.0) or better or an “S” in each theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook - Theatre (http://www.performingarts.cah.ucf.edu/theatre/resources) for details on program standards.

Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.

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.

Co-op cannot be used in this major.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Required THE 2020 Survey of Theatre for Majors 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.2 list 3 hrs

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

Statistics - Computers (3 hrs)
- Select one course from GEP C.2 list 3 hrs
### UCF Degree Programs

#### 4. Core Requirements: Advanced Level (48 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPP 3173C</td>
<td>Acting III - Building the Character</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4140C</td>
<td>Acting IV - Creating the Role</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3251C</td>
<td>Musical Theatre Monologue</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 3252C</td>
<td>Musical Theatre Scene Study</td>
<td>2 hrs</td>
</tr>
<tr>
<td>THE 3240</td>
<td>Evolution of Musical Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3311</td>
<td>Theatre History and Dramatic Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3312</td>
<td>Theatre History and Dramatic Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 2742C</td>
<td>Estill for Musical Theatre - Craft</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 3272C</td>
<td>Estill for Musical Theatre - Artistry</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 3743C</td>
<td>Musical Theatre Applied/Studio Voice I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 3744C</td>
<td>Musical Theatre Applied/Studio Voice II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4259C</td>
<td>MT Applied/Studio Voice III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4270C</td>
<td>MT Applied/Studio Voice IV</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4271C</td>
<td>MT Applied/Studio Voice V</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4923C</td>
<td>MT Applied/Studio Voice VI</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4940L</td>
<td>Theatre Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4223C</td>
<td>Theatre Careers in Performance</td>
<td>3 hrs</td>
</tr>
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<td>TPP 3310C</td>
<td>Directing for Theatre I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4193L</td>
<td>Theatre Participation-Performance II</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 4954</td>
<td>Theatre Exit Critique</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives

- Any THE, TPA, TPP, DAA, or DAN course taught by the Theatre Department and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved in advance by the Theatre Department Undergraduate Coordinator. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

#### 6. Capstone Requirements

- None

#### 7. Foreign Language Requirements

**Admissions**

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

**Graduation**

- None

#### 8. Electives

- (variable)

#### 9. Additional Requirements

- None

#### 10. Required Minors

- None

---

**11. Departmental Exit Requirements**

- Earn a grade of “C” (2.0) or better in each Theatre course
- Maintain a Theatre GPA of “B” (3.0) or better
- Complete an Exit Survey, Exit Interview, and Audit
- Check the semester prior to final semester of theatre classes
- Minimum of 60 theatre credits must be completed in residency at UCF
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, credit by exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**

- 129

**Honors In Major**

- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at [http://research.honors.ucf.edu/honors-in-the-Major](http://research.honors.ucf.edu/honors-in-the-Major).

**Related Programs**

- Film
- Music
- Theatre
- Dance

**Advising Notes**

- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation. Repeated failure to consult with a departmental advisor may lead to release from the program.

**Transfer Notes**

- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
### Acceptable Substitutes for Transfer Courses

- **Prerequisites if taken prior to transferring to UCF:**
  - THE 2020 May use any introductory course. Some prerequisites may be required if taken prior to transferring to UCF.
  - THE 2305 May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute.
  - TPP 2200 May be substituted with any introductory course.
  - TPP 2300 or any introductory Theatre Directing course. Directing for Film cannot substitute.
  - TPP 2110C Acting I - Introduction may be substituted with any introductory acting for theatre course.

### Plan of Study

#### Freshman Year - Fall
- THE 2020 Survey of Theatre for Majors 3 hrs
- DAA 2200C Ballet I 2 hrs
- THE 2305 Script Analysis for Theatre 3 hrs
- General Education 3 hrs
- TPA 2200L Theatre Participation-Production I 1 hr
- TPP 2742C Estill for Musical Theatre - Craft 2 hrs

#### Freshman Year - Spring
- TPP 2110C Acting I - Introduction 3 hrs
- DAA 2201C Ballet II 2 hrs
- General Education 3 hrs
- TPP 3272C Estill for Musical Theatre - Artistry 2 hrs
- General Education 3 hrs
- General Education 3 hrs

#### Sophomore Year - Fall
- MUS 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- TPP 2170C Acting II - The Actor Prepares 3 hrs
- DAA 2570C Jazz Dance I 2 hrs
- TPP 3743C Musical Theatre Applied/Studio Voice I 2 hrs
- THE 3240 Evolution of Musical Theatre 3 hrs

#### Sophomore Year - Spring
- MUS 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- DAA 2571C Jazz Dance II 2 hrs
- TPP 3173C Acting III - Building the Character 3 hrs
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- TPP 3744C Musical Theatre Applied/Studio Voice II 2 hrs

#### Junior Year - Fall
- TPA 2248C Makeup Techniques 2 hrs
- General Education 3 hrs
- TPP 4259C MT Applied/Studio Voice III 2 hrs
- TPP 3251C Musical Theatre Monologue 2 hrs
- General Education 3 hrs
- THE 3312 Theatre History and Dramatic Literature II 3 hrs

#### Junior Year - Spring
- TPP 4223C Theatre Careers in Performance 3 hrs
- TPP 4270C MT Applied/Studio Voice IV 2 hrs
- TPP 3262C Musical Theatre Scene Study 2 hrs
- General Education 3 hrs
- TPA 2200 Introduction to Technical Theatre 2 hrs
- TPA 2200L Intro to Technical Theatre Lab 1 hr
- General Education 3 hrs

#### Junior Year - Summer
- TPP 4940L Theatre Internship 6 hrs

#### Senior Year - Fall
- DAA 2520C Tap Dance I 2 hrs
- General Education 3 hrs
- THE 4954 Theatre Exit Critique 0 hrs
- General Education 3 hrs
- TPP 4140C Acting IV - Creating the Role 3 hrs
- TPP 4271C MT Applied/Studio Voice V 2 hrs
- THE 2205L Theatre Participation - Management I 1 hr
- Theatre Elective 3 hrs

#### Senior Year - Spring
- TPP 3310C Directing for Theatre I 3 hrs
- General Education 3 hrs
- Theatre Elective 3 hrs
- TPP 4923C MT Applied/Studio Voice VI 2 hrs
- TPP 4193L Theatre Participation-Performance II 1 hr
- Theatre Elective 3 hrs

### 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](http://www.oeeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- **Part-Time Student:** $45 per term
- **Full-Time Student:** $90 per term

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### Theatre - Stage Management Track (B.F.A.)

**College of Arts and Humanities**

**Department of Theatre, Performing Arts Center, Room: T210A**

**Email:** theatre@ucf.edu

Claudia Lynch, Coordinator, claudia.lynnch@ucf.edu, 407-823-2862

The Bachelor of Fine Arts track in Stage Management is offered for students who, upon graduation, plan to pursue a specialized career as a Manager in the entertainment industry including Broadway, Regional Theatre, Touring, Special Events, etc. It provides the student with a thorough foundation in theatre complemented by very structured and intensive career preparation in both the art and the craft of theatrical stage management. Students spend the first year of the curriculum working within the structure of the laboratory classes to gain a thorough understanding of the structure, process, and craft skills. Within the first four semesters, those who qualify receive an assignment on a Stage Management team. The student Stage Managers work with the Faculty Directors to manage the rehearsal through performance process of all Department Productions. Stage Managers also have opportunities to work directly with our partner theatres within Orlando (ex. The Orlando Repertory Theatre) as part of the curriculum thus giving each student practical experience as they build their professional portfolios. The curriculum requires students to become proficient in design, technology, and theatre management through specified coursework. In their advanced course work, student Stage Managers receive a thorough introduction to the collective bargaining agreements within Actor’s Equity Association. The program culminates with a professional internship where students are able to apply their education in a real world work environment. While most students choose to enter the workforce following graduation, the BFA is an excellent degree for students who are interested in pursuing graduate studies in all areas of theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is very challenging. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students thus coordinating production experience with class room exploration.

### Admission Requirements

- **The departmental faculty evaluates students desiring to become BFA Stage Management majors via portfolio reviews and interviews.** This should be completed the academic year prior to attending UCF. For complete information visit the audition site online at [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu). 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.

- **The Stage Management plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.**
UCF Degree Programs

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog. Students must follow the most recent department, internship and school student handbooks which are available at http://www.performingarts.cah.ucf.edu/theatre/resources.
- Students in this major must earn a “C” (2.0) or better or an “S” in each music or theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook- Theatrical (http://www.performingarts.cah.ucf.edu/theatre/resources) for details on program standards.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- All BFA Stage Management majors are required to participate in Fall and Spring productions and must accept the production positions as assigned. Students 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 if they choose. Students may 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 towards electives.
- Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.
- 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.
- Co-op cannot be used in this major.

1. UCF General Education Program (GEP) (36 hrs)
2. Common Program Prerequisites (CPP) (20 hrs)

3. Core Requirements: Basic Level (14 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 2210L</td>
<td>Stagecraft I Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2000C</td>
<td>Theatre Design Basics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2600</td>
<td>Stage Management: Introduction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2220C</td>
<td>Stage Electronics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2211</td>
<td>Stagecraft II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2211L</td>
<td>Stagecraft II Lab</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level (59 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 3311</td>
<td>Theatre History and Dramatic Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3312</td>
<td>Theatre History and Dramatic Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3313</td>
<td>Theatre History and Dramatic Literature III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3310C</td>
<td>Directing for Theatre I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4250C</td>
<td>CADD for Theatre</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 3103</td>
<td>Intermediate Acting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4298L</td>
<td>Theatre Participation-Production II</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 4298L</td>
<td>Theatre Participation-Production II</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 4298L</td>
<td>Theatre Participation-Production II</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 3601</td>
<td>Stage Management: Techniques</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4602</td>
<td>Stage Management: Applications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4604</td>
<td>Stage Management: Professional Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4400</td>
<td>Theatre Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3195L</td>
<td>Summer Theatre Studio/Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3197L</td>
<td>Summer Theatre Studio/Design II</td>
<td>3 hrs</td>
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<tr>
<td>THE 4284</td>
<td>Period Costume, Architecture, and Decor I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4285</td>
<td>Period Costume, Architecture, and Decor II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4401C</td>
<td>Theatre Careers in Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4954</td>
<td>Theatre Exit Critique</td>
<td>0 hrs</td>
</tr>
<tr>
<td>TPP 4940L</td>
<td>Theatre Internship</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

Select 1:
TPA 3060C   | Scenic Design for Theatre I or 3 hrs
TPA 3045C   | Costume Design for Theatre I or 3 hrs

Select 1:
TPA 3232C   | Lighting Design for Theatre I or 3 hrs
TPA 3265C   | Sound Design for Theatre I or 3 hrs

1 See Transfer Notes for possible substitutes.

5. Restricted Electives

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each Theatre course
- Maintain a Theatre GPA of “B” (3.0) or better
- 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.

12. University Minimum Exit Requirements

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

UNIVERSITY OF CENTRAL FLORIDA

370 Undergraduate Catalog 2017-2018
## UCF Degree Programs

### Plan of Study

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 2020 Survey of Theatre for Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2210 Stagecraft I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2210L Stagecraft I Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPP 2110C Acting I - Introduction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2220C Stage Electronics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2600 Stage Management: Introduction</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 4250C CADD for Theatre</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 2211 Stagecraft II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2211L Stagecraft II Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 2305 Script Analysis for Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3601 Stage Management: Techniques</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Freshman Year - Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 3195L Summer Theatre Studio/Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3197L Summer Theatre Studio/Design II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 2000C Theatre Design Basics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3311 Theatre History and Dramatic Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2290L Theatre Participation-Production I</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPP 3103 Intermediate Acting</td>
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<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
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</table>

#### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 3312 Theatre History and Dramatic Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4602 Stage Management: Applications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2925L Theatre Participation - Management I</td>
<td>1 hr</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
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</table>

#### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>THE 3313 Theatre History and Dramatic Literature III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4298L Theatre Participation-Production II</td>
<td>1 hr</td>
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<tr>
<td>TPA 4604 Stage Management: Professional Practice</td>
<td>3 hrs</td>
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<tr>
<td>General Education</td>
<td>3 hrs</td>
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<tr>
<td>General Education</td>
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#### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Portfolio Review</td>
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</tr>
<tr>
<td>TPA 4401C Theatre Careers in Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4298L Theatre Participation-Production II</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

#### Select 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 3060C Scenic Design for Theatre I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3045C Costume Design for Theatre I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 4400 Theatre Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4284 Period Costume, Architecture, and Decor I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3310C Directing for Theatre I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4298L Theatre Participation-Production II</td>
<td>1 hr</td>
</tr>
<tr>
<td>Theatre Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Theatre Exit Critique</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

#### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portfolio Review</td>
<td></td>
</tr>
<tr>
<td>TPA 4285 Period Costume, Architecture, and Decor II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Theatre Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Theatre Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
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. The strength of this program is in the opportunity to combine theatre training with the secondary area of study to create career opportunities in theatre and the entertainment industry. Students find direct career paths and a boost in the job market through the combination of major and minor. Students are open to selecting any minor or second major offered within the University. Upon graduation, students choose to enter the job market or pursue advanced education with a skill set unique to their goals.

Admission Requirements
- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit http://www.theatre.ucf.edu.
- All students must submit three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15 for returning students and are available on our department website. Scholarship applications for incoming students are available on our department website and are due at your interview appointment. Scholarship decisions are typically finalized in August prior to the Fall semester. Applications remain active for one year.

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.
- Theatre grades of less than “C” (2.0) will not satisfy the major requirements or count towards total theatre credits.
- Students in this major must earn a “C” (2.0) or better or an “S” in each theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook - Theatre (http://www.performingarts.cah.ucf.edu/theatre/resources) for details on program standards.
- Students must consult with a departmental advisor each semester before registering. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- Departmental Residency Requirement consists of at least 30 semester hours of courses taken from the UCF Theatre Department.
- All BA Theatre Studies students must register for three semesters of Theatre Participation in addition to the Technical Theatre Production Lab. One Participation credit must be as part of a run crew. One Participation credit must be as part of a Front of House crew. The third required Participation credit can be in either performance, shop assignments, run crews or Front of House.

All Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may use additional participation credits as electives.
- Students must follow the most recent department and school student handbooks which are available on the department website at http://www.performingarts.cah.ucf.edu/theatre/resources.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Co-op credit cannot be used in this major.

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

A: Communication Foundations (9 hrs)
- Required THE 2020 Survey of Theatre for Majors 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.2 list 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required THE 6000/2020 Survey of Theatre for Majors 3 hrs

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

D: Social Foundations (6 hrs)
- Select a course from GEP C.2 list 3 hrs

E: Science Foundations (6 hrs)
- Select a course from GEP C.3 list 3 hrs

2. Common Program Prerequisites (CPP) (20 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (13 hrs)
- Select 1: 1 hr
  - THE 4298L Theatre Participation-Production II or 1 hr
  - THE 4093L Theatre Participation-Management II or 1 hr
  - TPP 4193L Theatre Participation-Performance II 1 hr

1 See Transfer Notes for possible substitutes
5. Restricted Electives  (13 hrs)
- Any THE, TPA, TPP, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved in advance by the Theatre Department Undergraduate Coordinator. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement

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

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

9. Additional Requirements
- None

10. Required Minors
- Theater Studies BA students must complete a minor of at least 18 hours. See selected 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. When no official minor is offered, students may complete an 18-credit-hour area of concentration when pre-approved by the Undergraduate Coordinator.

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Theatre course.
- Maintain a “B” (3.0) Theatre GPA or better.
- Write an Exit Critique of a UCF-affiliated production and pass each section evaluated the semester prior to final semester of theatre classes.
- Complete an Exit Survey and Exit Interview/Audit Check the semester prior to final semester of theatre classes.
- Minimum of 30 theatre credits must be completed in residency at UCF.

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

Total Semester Hours Required
- 120

Honors In Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-Major.

Related Programs
- Art
- Film
- Music
- Theatre

Certificates
- None

UCF Degree Programs

Related Minors
- Art - Studio
- Music
- Film - Cinema Studies
- Theatre
- Dance
- Event Management

Advising Notes
- None

Transfer Notes
- Lower level courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- THE 2020 Survey of Theatre for Majors may be substituted with THE 2000 or any equivalent course. Some students with a transfer substitution choose to take THE 2020 Survey of Theatre for Majors at UCF as a theatre elective.
- THE 2305 Script Analysis for Theatre may use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute.
- TPA 2200 Introduction to Technical Theatre may be substituted with any introductory Stagecraft course.
- TPP 3310C Directing for Theatre I may be substituted with TPP 2300 or any introductory Theatre Directing course.
- Directing for Film cannot substitute.

Plan of Study

Freshman Year - Fall
- THE 2020 Survey of Theatre for Majors 3 hrs
- TPP 2110C Acting I - Introduction 3 hrs
- General Education 3 hrs
- ENC 1101 Composition I 3 hrs
- General Education 3 hrs

Freshman Year - Spring
- THE 2305 Script Analysis for Theatre 3 hrs
- TPA 2200 Introduction to Technical Theatre 2 hrs
- TPA 2200L Intro to Technical Theatre Lab 1 hr
- General Education 3 hrs
- Theatre Elective 3 hrs
- General Elective 3 hrs

Sophomore Year - Fall
- General Education 3 hrs
- Theatre Elective 3 hrs
- THE 2925L Theatre Participation - Management I 1 hr
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Sophomore Year - Spring
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- Theatre Elective 3 hrs
- General Education 3 hrs
- General Elective 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Junior Year - Fall
- TPA 2200L Theatre Participation-Production I 1 hr
- THE 3312 Theatre History and Dramatic Literature II 3 hrs
- General Elective 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Junior Year - Spring
- General Elective 3 hrs
- THE 3313 Theatre History and Dramatic Literature III 3 hrs
- General Elective 2 hrs
- TPP 3310C Directing for Theatre I 3 hrs
- General Elective 3 hrs
- General Elective 2 hrs
Senior Year - Fall 15 hrs
THE 4954 Theatre Exit Critique 0 hrs
General Elective 3 hrs
Theatre Elective 2 hrs
THE 2925L Theatre Participation - Management I 1 hr
General Elective 3 hrs
General Elective 3 hrs
General Elective 3 hrs
Senior Year - Spring 15 hrs
General Elective 3 hrs
Theatre Elective 3 hrs
General Elective 3 hrs
Theatre Elective 3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oias.ucf.edu/alc/academic_learning_compacts.htm
Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Writing and Rhetoric (B.A.)
College of Arts and Humanities
Department of Writing and Rhetoric,
Colbourn Hall, Room: 301-B
http://writingandrhetoric.cah.ucf.edu/
Email: writingandrhetoric@ucf.edu
Dr. Laurie A. Pinkert, Director, Laurie.Pinkert@ucf.edu,
407-823-1057
Adele Richardson, Program Advisor, Adele@ucf.edu, 407-823-0349
Dr. Marcy Galbreath, Program Advisor, Marcy.Galbreath@ucf.edu,
407-823-0745
The Bachelor of Arts degree in Writing and Rhetoric provides students with in-depth training in the interrelated fields of writing, rhetoric, and literacy studies, preparing them for a range of writing-focused jobs that involve the analysis, creation, editing, adaptation, and/or coordination of written, digital, and multimedia texts.

Admission Requirements
- Students transferring with an AA or AS degree or who have completed their general education courses in composition elsewhere are strongly recommended to enroll in ENC 3314 (Writing & Rhetoric Foundations) as an advanced core requirement course in their first semester at UCF.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C+” (2.25) in each required course.
- Students should consult with a departmental advisor.
- Students must complete at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Writing and Rhetoric Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students must earn a minimum 2.5 GPA in coursework used to satisfy the major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   Prefer PHI 2010 Introduction to Philosophy 3 hrs
   Select one course from B.1 list 3 hrs
   Select one course from B.2 list 3 hrs
   
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
   E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP)
   ENC 1101 Composition I GEP
   ENC 1102 Composition II GEP
   3. Core Requirements: Basic Level (9 hrs)
   - Students should take ENC 3331 and ENC 3502 as early in the program as possible. Students should take ENG 3836 in sophomore or junior year and prior to their Writing Practicum experience.
   ENC 3331 Rhetoric and Civic Engagement 3 hrs
   ENC 3502 Researching Writing and Literacy 3 hrs
   ENG 3836 Professional Lives and Literacy Practices 3 hrs
   4. Core Requirements: Advanced Level (6 hrs)
   Extending Theories and Histories of Writing, Rhetoric, and Literacy
   - Students must take at least 6 hours from this category.
   Students should work with a departmental academic advisor to select courses that support the students’ intended career or path post-graduation.
   ENC 3314 Writing and Rhetoric Foundations 3 hrs
   ENC 3315 Argumentative Writing 3 hrs
   ENC 3330 Rhetorical Traditions 3 hrs
   ENC 3373 Cultural Rhetorics 3 hrs
   ENC 3417 Literacy and Technology 3 hrs
   ENC 3503 Topics in Writing & Literacy Studies 3 hrs
   ENC 3521 Writing Across Difference 3 hrs
   ENC 4374 Gendered Rhetorics 3 hrs
   ENC 4434 Visual and Material Rhetorics 3 hrs
   ENC 4504 Contemporary Composition Theory 3 hrs
   5. Restricted Electives (18 hrs)
   Applications of Writing and Rhetoric 9 hrs
   - Students must take at least 9 hours of courses from the Civic and Cultural Writing and Rhetoric and Professional and Digital Writing clusters; these 9 hours can come from either or both clusters. Students should work with a departmental academic advisor to select courses that support the students’ intended career or path post-graduation.
   Civic and Cultural Writing and Rhetoric
   ENC 3311 Essay as Cultural Commentary 3 hrs
   ENC 3372 Topics in Civic Rhetoric and Writing 3 hrs
   ENC 3375 Rhetoric in Popular Culture 3 hrs
   ENC 3453 Writing for Social Change 3 hrs
   ENC 4354 Writing with Communities and Nonprofits 3 hrs
   ENC 4378 Writing in Global and Transnational Contexts 3 hrs
   ENC 4523 Writing and Identity 3 hrs
   Professional and Digital Writing
   ENC 3250 Professional Writing 3 hrs
   ENC 3351 Writing for Publication 3 hrs
   ENC 3433 Multimedia Writing and Composition 3 hrs
   ENC 3453 Writing About Health and Medicine 3 hrs
   ENC 3454 Topics in Professional and Digital Writing 3 hrs
   ENC 3455 Writing about Science and Technology 3 hrs
   ENC 4212 Professional Editing 3 hrs
   ENC 4416 Writing in Digital Environments 3 hrs
   ENG 3833 Marketing Your Writing 3 hrs
   LIN 3673 Rhetorical Grammar 3 hrs
   Writing Practicums 3 hrs
   - Choose one of the following three courses.
   ENC 3475 Writing in Disciplinary Cultures 3 hrs
   ENC 4275 Theory and Practice of Tutoring Writing 3 hrs
   ENC 4944 Writing Internship 3 hrs
   Advised Electives 6 hrs
   - Choose from any DWR 3000 or 4000 level courses not otherwise used to satisfy major requirements, and/or choose from among any approved upper-level, writing-intensive courses in another department.
   6. Capstone Requirements (3 hrs)
   ENC 4379 Writing and Rhetoric Capstone 3 hrs
   ENC 4950 Writing ePortfolio 0 hrs
UCF Degree Programs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language.

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

9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor, certificate, or approved program of study (at least 18 hours minimum). A minor and/or certificate from the Department of Writing and Rhetoric cannot be used to satisfy this requirement.
- Can be a UCF minor or an interdisciplinary set of courses tailored to the student’s professional goals and approved by a program advisor.
- No more than 6 hours can overlap with courses used to satisfy the major.

11. Departmental Exit Requirements
- Students must complete an electronic writing portfolio (e-portfolio) that meets program requirements. This e-portfolio will be developed throughout the course of the students’ work in the major. Students must also enroll in ENC 4950 (Writing ePortfolio) during their final semester; their e-portfolio will be approved in this course for program-level graduation requirements.
- Maintain and achieve a minimum GPA of 2.5 in all courses used towards the major.

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

Total Semester Hours Required
- 120

Honors In Major
- Application and admission through the Writing and Rhetoric Degree Programs Office and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Successful completion and oral defense of Honors thesis.

Related Programs
- None

Certificates
- None

Related Minors
- Legal Studies
- Education
- Digital Media
- History
- Political Science
- Interpersonal/Organizational Communication
- Journalism Studies
- Magazine Journalism
- Marketing
- Mass Communication
- 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

UNIVERSITY OF CENTRAL FLORIDA
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.

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Minors

Accounting - Minor
College of Business Administration
Kenneth G. Dixon School of Accounting,
Business Administration II, Room: 101
http://web.bus.ucf.edu/accounting
Phone: 407-823-2184

Accounting Minor is only open to Finance Majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ACG 3131 Intermediate Financial Accounting I 3 hrs

Restricted Electives (12 hrs)
Select 4:
- At least three courses must have either an ACG or TAX prefix
- ACG 3361 Cost Accounting I 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- ACG 4651 Auditing 3 hrs
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4453 Financial Models 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions 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 of Statistics.
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Actuarial Science - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Dr. David Nickerson, david.nickerson@ucf.edu, 407-823-5528

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalence requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have satisfied many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

Minor Admission Requirements
- Students need to complete the prerequisite courses.

Minor Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.
- Students are expected to have completed some of the following courses as part of their GEP requirement.
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - STA 2023 Statistical Methods I 3 hrs
  - STA 4163 Statistical Methods II 3 hrs
  - STA 4164 Statistical Methods III 3 hrs
  - STA 4321 Statistical Theory I 3 hrs
  - STA 4322 Statistical Theory II 3 hrs

Required Courses (21 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- FIN 3403 Business Finance 3 hrs
- STA 4183 Theory of Interest 3 hrs
- STA 4184 Introduction to Derivative Markets 3 hrs
- STA 4186 Theory of Derivative Pricing 3 hrs
- STA 4852 Applied Time Series 3 hrs

Restricted Electives
- No additional courses are required.

Foreign Language Requirements
- No Foreign Language is required.

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Any course substitutions must be approved by the program coordinator in advance of their being taken.

Aerospace Studies - Minor
College of Engineering and Computer Science
Air Force ROTC, Classroom Building 2, Room: 221
Colonel Heather McGee
Phone: 407-823-1247

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (16 hrs)

Required Courses 16 hrs
- AFR 1101 The Air Force Today I 1 hr
- AFR 1111 The Air Force Today II 1 hr
- AFR 2130 The Development of Air Power I 1 hr
- AFR 2131 The Development of Air Power II 1 hr
- AFR 3220 Air Force Leadership and Management I 3 hrs
- AFR 3230 Air Force Evaluation and Management II 3 hrs
- AFR 4201 National Security Affairs and Prep for Active Duty I 3 hrs
- AFR 4210 National Security Affairs and Prep for Active Duty II 3 hrs

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Minors

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 16

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.

Africana Studies - Minor

College of Arts and Humanities
Program in Africana Studies, Coblurn Hall, Room: 112
http://africana.cah.ucf.edu/
Mr. Anthony Major, Director, anthony.major@ucf.edu, 407-823-0026
Mrs. Kakoli Ahmed, kakoli.ahmed@ucf.edu, 407-823-0026

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the African Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, Theatre and the Sciences.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)

- AFA 3102 Introduction to Africana Studies: A Multidisciplinary Approach 3 hrs
- AFA 3104 The Black Intellectual Experience 3 hrs
- AFA 3006 The African Diaspora: Theories and Movements 3 hrs

Select 1: 3 hrs
- AFA 3850 Researching Africana Heritage and Life 3 hrs
- AFA 4242 Contemporary Issues in Africana Studies 3 hrs

Restricted Electives (6 hrs)
- Select two courses from one of the following areas of specialization.

General-Interdisciplinary
- AFA 3300 African American and Caribbean Music or 3 hrs
- AFA 3244 Africana Social & Cultural Movements or 3 hrs
- AFA 3371 Evolution of Hip Hop or 3 hrs
- AFA 4105 Documenting Africana Heritage and Life or 3 hrs
- AML 3613 Narratives of Slavery or 3 hrs
- ANT 3319 Slavery, Resistance, and Cultural Dynamics 3 hrs
- AFA 3300 African American and Caribbean Music or 3 hrs
- AFA 3244 Africana Social & Cultural Movements or 3 hrs
- AFA 3371 Evolution of Hip Hop or 3 hrs
- AFA 4105 Documenting Africana Heritage and Life or 3 hrs
- AFA 3000 African American and Caribbean Music or 3 hrs

Caribbean/Central, South America
- AFA 3371 Evolution of Hip Hop or 3 hrs
- AFA 3955 Study Abroad in the Caribbean or 3 hrs
- AML 3615 Harlem, Haiti, and Havana or 3 hrs
- ANT 3430 Caribbean Cultures or 3 hrs
- FIL 3831 Black Cinema or 3 hrs
- LAH 3470 History of the Caribbean or 3 hrs
- LAS 4023 African Caribbean Experience or 3 hrs
- LIT 3192 Caribbean Literature 3 hrs

North American
- AFA 3300 African American and Caribbean Music or 3 hrs
- AFA 3244 Africana Social & Cultural Movements or 3 hrs
- AFA 3371 Evolution of Hip Hop or 3 hrs
- AFA 3420 Malcolm X, Black Nationalism, and Internationalism or 3 hrs
- AMH 3403 History of the South Since 1865 or 3 hrs
- AMH 3572 Black American History II or 3 hrs
- AFA 3300 African American and Caribbean Music or 3 hrs
- AFA 3371 Evolution of Hip Hop or 3 hrs

African Continental
- AFA 3244 Africana Social & Cultural Movements or 3 hrs
- AFA 3300 African American and Caribbean Music or 3 hrs
- AFA 3371 Evolution of Hip Hop or 3 hrs
- AFH 3100 African History to 1870 or 3 hrs
- AFH 3200 African History Since 1870 or 3 hrs
- ANT 4352 African Societies and Cultures or 3 hrs
- FIL 3831 Black Cinema or 3 hrs
- AML 3614 Topics in African-American Literature or 3 hrs
- AFA 3300 African American and Caribbean Music or 3 hrs
- AFA 3371 Evolution of Hip Hop or 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF 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 the approval of the program coordinator.
- All minors are required to attend an orientation session at beginning of the first semester after the minor is declared.
- Complete an exit survey and audit check in the graduating semester.

Aging Studies - Minor

College of Health and Public Affairs
School of Social Work,
Health and Public Affairs, Room: 204
Email: socialwk@ucf.edu
Dr. Denise Gammonley
Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training.

University of Central Florida
American Indian Studies - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
Email: anthro@ucf.edu
Dr. Sarah Barber
Phone: 407-823-2227

The 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 UCF undergraduates who are not majoring in Anthropology.

Minor Admission Requirements
- The minor is not open to Anthropology majors.

Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- Only two anthropology courses can overlap for students enrolled in multiple anthropology programs (minors and certificates).

Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (9 hrs)
- Complete three of the following courses:
  - ANT 3245 Native American Religions 3 hrs
  - ANT 3312 Ethnology of North American Indians 3 hrs
  - ANT 4153 North American Archaeology 3 hrs
  - AMH 3580 North American Indians 3 hrs

Restricted Electives (9 hrs)
- Complete three of the following courses:
  - One course substitution for the American Indian Studies minor will only be allowed with prior approval from a minor advisor.
  - ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest 3 hrs
  - ANT 3154 A Survey of American Historical Archaeology 3 hrs
  - ANT 3158 Florida Archaeology 3 hrs
  - ANT 3311 Indians of the Southeastern United States 3 hrs
  - AMH 2010 U.S. History: 1492-1877 3 hrs
  - AMH 2020 U.S. History: 1877-Present 3 hrs
  - AMH 3441 History of the Frontier: Eastern America 3 hrs
  - AML 3643 Contemporary Native American Prose and Poetry 3 hrs
  - CPO 4794 Indigenous Politics and the Environment 3 hrs
  - POS 3076 American Indian Politics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A 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 within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may not be used toward the minor.

American Studies - Minor
College of Arts and Humanities
Dean’s Office - CAH, Room: 190
http://www.cah.ucf.edu/
Lyman Brodie, Lyman.Brodie@ucf.edu, (407) 823-2161

Minor Admission Requirements
- None
Minors

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ Select 5 (one from each category) (15 hrs)

Literature
AFL 3019 American Literature I or 3 hrs
AFL 3020 American Literature II or 3 hrs
AFL 3031 American Literature III or 3 hrs
AFL 3041 American Literature IV or 3 hrs

Social Sciences and Social Issues
CCJ 3014 Crime in America or 3 hrs
INR 4102 American Foreign Policy or 3 hrs
INR 4114 American Security Policy or 3 hrs
INR 4225 The Vietnam War or 3 hrs
POS 3173 Southern Politics or 3 hrs
POS 3234 Protest in America or 3 hrs
POS 3413 The American Presidency or 3 hrs
POT 3204 American Political Thought or 3 hrs
PUP 3314 Minorities in America or 3 hrs
SYD 3700 Race and Ethnicity or 3 hrs
SYP 3630 Popular Culture In Society or 3 hrs

History
AMH 3402 History of the South to 1865 or 3 hrs
AMH 3403 History of the South Since 1865 or 3 hrs
AMH 3441 History of the Frontier: Eastern America or 3 hrs
AMH 3442 History of the Frontier: Western America or 3 hrs
AMH 3541 U.S. Military History To 1900 or 3 hrs
AMH 3561 Women in American History I or 3 hrs
AMH 3562 Women in American History II or 3 hrs
AMH 3571 Black American History I or 3 hrs
AMH 3572 Black American History II or 3 hrs
AMH 4110 Colonial America, 1607-1763 or 3 hrs
AMH 4130 The Age of the American Revolution, 1763-1789 or 3 hrs

Philosophy and Religion
ANT 3160 Americas Before Columbus or 3 hrs
ANT 3161 Ancient Mexico: Aztec to Zapotec or 3 hrs
ANT 3162 Ancient Mexico: Aztec to Zapotec or 3 hrs
ANT 3163 Ancient Mexico: Aztec to Zapotec or 3 hrs

Art, Humanities, and Culture
AFL 3102 Introduction to Africana Studies: A Multidisciplinary Approach or 3 hrs
AFL 3371 Evolution of Hip Hop or 3 hrs
AMH 3580 North American Indians or 3 hrs
AMH 3584 History of Latinos in the U.S. or 3 hrs
AMH 3610 Sport in America to 1945 or 3 hrs
AMH 3611 Sport in America Since 1945 or 3 hrs
AMH 4311 American Culture I or 3 hrs
AMH 4313 American Culture II or 3 hrs
AMH 4644 Viewing American History in the Twentieth Century or 3 hrs
ANT 3311 Indians of the Southeastern United States or 3 hrs
ANT 4153 North American Archaeology or 3 hrs
ARCH 3610 American Art or 3 hrs
ARCH 3631 African-American Art or 3 hrs
FIL 3831 Black Cinema or 3 hrs
FIL 3871 The American Film Artist or 3 hrs
HUM 4459 American Cultural Studies in Humanities or 3 hrs
THE 3171 That's Entertainment!: Theatre Experience in Theme Parks, Vegas, and Broadway or 3 hrs

Restricted Electives
■ 3 additional upper level hours. Select courses not already used from lists above or one of the following lower-division courses.
Select 1:
MUL 2017 Survey of Rock Music or 3 hrs
MUL 2019 American Popular Music, 1840s-present or 3 hrs
MUL 2016 Evolution of Jazz or 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
■ At least 15 credit hours must be earned in upper level credits; no more than 3 hours lower level credits.
■ 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.
■ No more than 6 hours may be taken in any of the areas listed above.

Anthropological Archaeology - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Email: anthro@ucf.edu
Dr. Sarah Barber
Phone: (407) 823-2227

The Anthropological Archaeology minor offers students an opportunity to contextualize the modern world through the recent and more distant past. The minor emphasizes both the methods by which archaeologists study the past and areas of geographic and topical interest. The minor is ideal for students interested in understanding the long-term processes underlying modern global phenomena such as urban development, increasing inequality, the adoption of agriculture, foodways, and human adaptation to climate change.

Admission Requirements
■ The minor is not open to Anthropology majors.

Minor Requirements
■ Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.
■ Only two anthropology courses can overlap for students enrolled in multiple anthropology programs (minors or certificates).

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

Required Courses
(6 hrs)
■ Complete the following courses:
  ANT 2140 Archaeology and the Rise of Human Culture or 3 hrs
  ANT 4115C Archaeological Method and Theory or 3 hrs

Restricted Electives
(12 hrs)
■ Students may substitute 1 upper level course in Anthropology for those not listed here with prior permission.
■ Complete four of the following courses:
  ANT 3106 Archaeology and Popular Culture or 3 hrs
  ANT 3107 Blood and Valor in the Viking World or 3 hrs
  ANT 3142 Old World Prehistory or 3 hrs
  ANT 3145 Archaeology of Complex Societies or 3 hrs
  ANT 3148 Life and Death in Ancient Egypt or 3 hrs
  ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest or 3 hrs
  ANT 3154 A Survey of American Historical Archaeology or 3 hrs
  ANT 3158 Florida Archaeology or 3 hrs
  ANT 3160 Americas Before Columbus or 3 hrs
  ANT 3161 Ancient Mexico: Aztec to Zapotec or 3 hrs
  ANT 3163 Mesoamerican Archaeology or 3 hrs
### Minor Requirements

- Complete three of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANT 1000</td>
<td>General Anthropology</td>
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<tr>
<td>ANT 2140</td>
<td>Archaeology and the Rise of Human</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology: Global Perspectives, Local Contexts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
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### Restricted Electives

Complete at least three of the following courses:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANT 3026</td>
<td>Mummies, Zombies, and Vampires: An Anthropological Perspective</td>
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<tr>
<td>ANT 3106</td>
<td>Anthropology of the Undead</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3107</td>
<td>Archaeology of Popular Culture</td>
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<tr>
<td>ANT 3142</td>
<td>Old World Prehistory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies</td>
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<tr>
<td>ANT 3148</td>
<td>Life and Death in Ancient Egypt</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3152</td>
<td>Cliffs, Canyons, and Deserts: Ancient Societies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3154</td>
<td>A Survey of American Historical Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3156</td>
<td>Florida Archaeology</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3160</td>
<td>Americas Before Columbus</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3161</td>
<td>Ancient Mexico: Aztec to Zapotec</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3163</td>
<td>Mesoamerican Archaeology</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3164</td>
<td>Ancient Incas</td>
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<tr>
<td>ANT 3165</td>
<td>Archaeology of South America</td>
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<tr>
<td>ANT 3168</td>
<td>Maya Archaeology</td>
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<tr>
<td>ANT 3169</td>
<td>Life and Death in the Ancient Andes</td>
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<tr>
<td>ANT 3173</td>
<td>Archaeology of Sex</td>
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<tr>
<td>ANT 3174</td>
<td>Battlefield Archaeology</td>
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<tr>
<td>ANT 3177</td>
<td>Archaeology of Caribbean Piracy</td>
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<td>ANT 3179</td>
<td>Australian Archaeology and Indigenous Cultures</td>
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<tr>
<td>ANT 3212</td>
<td>Peoples of the World</td>
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<tr>
<td>ANT 3241</td>
<td>Magic, Ritual, and Belief</td>
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<tr>
<td>ANT 3245</td>
<td>Native American Religions</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3275</td>
<td>Anthropological Perspectives on Refugees</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3290</td>
<td>Anthropology of Plants and People</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3311</td>
<td>Indians of the Southeastern United States</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3312</td>
<td>Ethnology of North American Indians</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3313</td>
<td>Indians of North America High Plains</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3319</td>
<td>Slavery, Resistance, and Cultural</td>
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<td>ANT 3320</td>
<td>Anthropology of the Americas</td>
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<td>ANT 3326</td>
<td>Peoples of Southeast Asia</td>
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<tr>
<td>ANT 3541</td>
<td>Biobehavioral Anthropology</td>
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<td>ANT 3550C</td>
<td>Primatology</td>
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<td>ANT 3610</td>
<td>Language and Culture</td>
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<td>ANT 3701</td>
<td>Engagement &amp; Social Change: Public Anthropology</td>
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<td>ANT 3943</td>
<td>Caribbean Archaeology Practicum</td>
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<td>ANT 4013</td>
<td>Anthropology of Fast Food</td>
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<td>ANT 4027</td>
<td>Mummies, Life After Death</td>
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<tr>
<td>ANT 4034</td>
<td>History of Anthropological Thought</td>
<td>3 hrs</td>
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<td>ANT 4051</td>
<td>Environmental Anthropology</td>
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<td>ANT 4105</td>
<td>Saving the Plundered Past: Ethics and Controversy in Contemporary Archaeology</td>
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<tr>
<td>ANT 4123</td>
<td>Archaeological Method and Theory</td>
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<td>ANT 4123</td>
<td>Archaeology of Coastal Societies</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4153</td>
<td>North American Archaeology</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4170</td>
<td>Household Archaeology: The Archaeology of Everyday Life</td>
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<tr>
<td>ANT 4171</td>
<td>Anthropology: The Battle of the Sexes?: The Archaeology of Gender</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4180C</td>
<td>Seminar in Laboratory Analysis</td>
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<td>ANT 4183</td>
<td>Archaeological Sciences</td>
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<td>ANT 4184</td>
<td>Mortuary Archaeology</td>
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<tr>
<td>ANT 4187</td>
<td>Paleoenthnobotany</td>
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<tr>
<td>ANT 4332</td>
<td>People and Cultures of Latin America</td>
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<td>ANT 4406</td>
<td>Pain and Suffering: The Anthropology of Violence</td>
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<td>ANT 4408</td>
<td>Culture, Disease, and Healing</td>
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<td>ANT 4441</td>
<td>Anthropology of Cites</td>
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<td>ANT 4462</td>
<td>Medical Anthropology</td>
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<tr>
<td>ANT 4467</td>
<td>Nutritional Anthropology</td>
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<td>ANT 4480</td>
<td>Global Health in Anthropological Perspective</td>
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<tr>
<td>ANT 4481</td>
<td>Anthropology of Drugs and Addiction</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4482</td>
<td>Anthropology of Mental Health</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4483</td>
<td>Health and Healing in the Ancient World: An Anthropological Perspective</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4516</td>
<td>Human Biological Diversity</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4521</td>
<td>Forensic Anthropology</td>
<td>3 hrs</td>
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</table>
ANT 4525C Human Osteology 4 hrs
ANT 4560 Birth to Death: Anthropological Perspectives on Human Growth 3 hrs
ANT 4586C Human Origins 3 hrs
ANT 4702 Culture, Inequality and Global Development 3 hrs
ANT 4802 Ethnographic Field Methods 3 hrs
ANT 4824 Advanced Archaeological Fieldwork 9 hrs
ANT 4852 GIS Methods in Anthropology 3 hrs
ANT 4854 Advanced GIS Methods in Anthropology 3 hrs

Foreign Language Requirements
- None

Other Requirements
- None
Total Semester Hours Required
- 18

Minor Admission Requirements
- None

Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.
- Only two anthropology courses can overlap for students enrolled in multiple anthropology programs (minors or certificates).

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

Required Courses (3 hrs)
- Select from:
  - ANT 2000 General Anthropology or 3 hrs
  - ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs

Restricted Electives (15 hrs)
- Select from the following. Substitutions require prior consent of the Anthropology Coordinator.
  - ANT 3026 Mummies, Zombies, and Vampires: Anthropology of the Undead 3 hrs
  - ANT 3107 Blood and Valor in the Viking World 3 hrs
  - ANT 3148 Life and Death in Ancient Egypt 3 hrs
  - ANT 3160 Americas Before Columbus 3 hrs
  - ANT 3161 Ancient Mexico: Aztec to Zapotec 3 hrs
  - ANT 3163 Mesoamerican Archaeology 3 hrs
  - ANT 3164 Ancient Incas 3 hrs
  - ANT 3165 Archaeology of South America 3 hrs
  - ANT 3168 Maya Archaeology 3 hrs
  - ANT 3169 Life and Death in the Ancient Andes 3 hrs
  - ANT 3177 Archaeology of Caribbean Piracy 3 hrs
  - ANT 3179 Australian Archaeology and Indigenous Cultures 3 hrs

ANT 3212 Peoples of the World 3 hrs
ANT 3241 Magic, Ritual, and Belief 3 hrs
ANT 3245 Native American Religions 3 hrs
ANT 3275 Anthropological Perspectives on Refugees 3 hrs
ANT 3290 Anthropology of Plants and People 3 hrs
ANT 3302 Sex, Gender and Culture 3 hrs
ANT 3312 Ethnology of North American Indians 3 hrs
ANT 3330 Anthropology of the Amazon 3 hrs
ANT 3362 Peoples of Southeast Asia 3 hrs
ANT 3541 Biobehavioral Anthropology 3 hrs
1 ANT 3610 Language and Culture 3 hrs
ANT 3701 Engagement & Social Change: Public Anthropology 3 hrs
ANT 4013 Anthropology of Fast Food 3 hrs
ANT 4027 Mummies, Life After Death 3 hrs
ANT 4034 History of Anthropological Thought 3 hrs
ANT 4051 Environmental Anthropology 3 hrs
ANT 4187 Paleoethnobotany 3 hrs
1 ANT 4303 Anthropology of Tourism 3 hrs
1 ANT 4332 People and Cultures of Latin America 3 hrs
ANT 4408 Culture, Disease, and Healing 3 hrs
ANT 4441 Anthropology of Cities 3 hrs
1 ANT 4467 Nutritional Anthropology 3 hrs
ANT 4469 Global Health in Anthropological Perspective 3 hrs
ANT 4481 Anthropology of Drugs and Addiction 3 hrs
ANT 4482 Anthropology of Mental Health 3 hrs
ANT 4483 Health and Healing in the Ancient World: An Anthropological Perspective 3 hrs
ANT 4516 Human Biological Diversity 3 hrs
1 ANT 4702 Culture, Inequality and Global Development 3 hrs
ANT 4802 Ethnographic Field Methods 3 hrs
SYD 3700 Race and Ethnicity 3 hrs

1 or its graduate equivalent, but not both.

Foreign Language Requirements
- None

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

Art - Studio - Minor
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- ARH 2050 History of Western Art I 3 hrs
- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- ART 3950 Portfolio Review 0 hrs
Minors

Art Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership
http://education.ucf.edu/
Dr. Debra McGann, ED 122C, debra.mcgann@ucf.edu

This minor is not available to Art Education majors. This minor is well-suited for students enrolled in the School of Visual Arts and Design or Interdisciplinary Studies students with a concentration in Art. This minor is not available to students in pending status in a College of Education and Human Performance major.

Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements
- Students should see an advisor prior to registering for classes.
- Students must complete 18 SH of co-requisites and course prefixes could be ARE, ART, ARH, or GRA.
- At least 12 hours in the minor must be earned at UCF.
- Students must have a grade of “C-” (1.75) or better in all courses required for minor.

Prerequisite Courses
- None

Required Courses

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<tr>
<th>Credit Hour Requirement</th>
<th>18 hrs</th>
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<tbody>
<tr>
<td>EDG 4410 Teaching Strategies and Classroom Management</td>
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</tr>
<tr>
<td>EDF 4467 Learning Theory and Assessment</td>
<td>3 hrs</td>
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<tr>
<td>TSL 4080 Theory and Practice of Teaching ESL Students in Schools</td>
<td>3 hrs</td>
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<tr>
<td>RED 4043 Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
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<tr>
<td>ARE 4351 Teaching Art in the Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARE 4352 Teaching Art in the Secondary School</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Co-op, Independent Study, Directed Research, or Internship credit cannot be used in the minor.

Art History - Minor
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses

| Select 4: | (15 hrs) |
| ARH 2050 History of Western Art I or | 3 hrs |
| ARH 2051 History of Western Art II or | 3 hrs |
| ARH 4310 Italian Renaissance Art or | 3 hrs |
| ARH 4430 19th Century Art or | 3 hrs |
| ARH 4450 20th Century Art | 3 hrs |

Non-Western/Ancient Course Requirement
- 3 hrs

| Select 1: | 3 hrs |
| ARH 3670 20th Century Latin American Art or | 3 hrs |
| ARH 4130 Greek Art and Architecture or | 3 hrs |
| ARH 4150 Roman Art and Architecture or | 3 hrs |
| ARH 4653 Meso American Art | 3 hrs |

Restricted Electives

| Select 1: | (3 hrs) |
| ARH 4200 Medieval Art or | 3 hrs |
| ARH 4350 Baroque Art or | 3 hrs |
| ARH 4800 Theory and Criticism of the Visual Arts or | 3 hrs |
| ARH 4871 Women in Art | 3 hrs |

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Co-op, Independent Study, Directed Research, or Internship credit cannot be used in the minor.
### Asian Studies - Minor

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**


Dr. Rita De Luca Guerriero, Rita.DeLucaGuerriero@ucf.edu, (407) 823-2472

An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 3401</td>
<td>Asian Humanities</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives

- Since the total number of hours taken to complete the foreign language proficiency requirement will vary, the total number of elective hours required will vary as well. Please see the Program Director to review your specific circumstances.
- No more than two courses (six hours) can be taken under the same prefix.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3382</td>
<td>Peoples of Southeast Asia</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3804</td>
<td>Japanese Manga &amp; Anime</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4304</td>
<td>Women in China</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4324</td>
<td>History &amp; Culture of South Asia</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4363</td>
<td>Imperialism &amp; Decolonization in South Asia</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4402</td>
<td>History of Chinese Civilization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4404</td>
<td>Modern China</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4442</td>
<td>Modern Japan</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4514</td>
<td>Politics of East Asia</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4541</td>
<td>Chinese Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4553</td>
<td>Politics of Japan</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4224</td>
<td>Contemporary International Politics of Asia</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4225</td>
<td>The Vietnam War</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3340</td>
<td>Buddhism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3333</td>
<td>Hinduism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3123</td>
<td>Asian Religions in America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3833</td>
<td>Modern Asian Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3835</td>
<td>Translated Modern Chinese Novels</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Foreign Language Requirements

- One year or the equivalent proficiency examination (0 - 8 hrs) in Chinese, Japanese or Korean language. A maximum of 8 hours of language credits can be used to fulfill this requirement and towards the minor.

#### Total Semester Hours Required

- 18

#### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Requirement for the minor is 18-20 credits.

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### Astronomy - Minor

**College of Sciences**

**Department of Physics, Physical Sciences, Room: 430**

[Email: physics@ucf.edu](mailto:physics@ucf.edu)

Dr. Humberto Campins

Phone: 407-823-2325

#### Minor Admission Requirements

- The minor is not open to Physics majors with an Astronomy specialization.

#### Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

#### Prerequisite Courses

- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2002</td>
<td>Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>AST 4152</td>
<td>Planetary Geophysics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3211</td>
<td>Stellar Astrophysics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3402</td>
<td>Galaxies and Cosmology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 4700</td>
<td>Experimental Methods in Astronomy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives

- None

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 19

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### Bioengineering - Minor

**College of Engineering and Computer Science**

**Engineering, Room: 107**

[http://www.cecs.ucf.edu/minors/bioengineering](http://www.cecs.ucf.edu/minors/bioengineering)

Dr. Alain Kassab, Engineering Track, alain.kassab@ucf.edu, 407-823-5778

Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Health and Pre-Law Advising. The minor constitutes up to: (a) for the engineering track 21 hours of coursework over the requirements for a bachelor of science degree in an engineering discipline at UCF, and (b) a minimum 17 hours of coursework over the requirements for a bachelors of science degree in computer science at UCF.
Biological Anthropology - Minor

College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Email: anthro@ucf.edu

Dr. Sarah Barber
Phone: (407) 823-2227

The Biological Anthropology minor develops an understanding of anthropological approaches to the study of the human body from modern and/or archaeological contexts. This minor is particularly appropriate for students interested in human biology, forensic anthropology, bioarchaeology, or area studies in archaeology.

Admission Requirements

- The minor is not open to Anthropology majors.

Minor Requirements

- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.
- Only two anthropology courses can overlap for students enrolled in multiple anthropology programs (minors or certificates).

Prerequisite Courses

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

Required Courses (3 hrs)

ANT 2511  The Human Species  3 hrs

Restricted Electives (15 hrs)

- Complete five of the following courses:
- Students may substitute one anthropology upper level course that is either an archaeological area study course or a health related course with prior permission.

Required Courses (3 hrs)

ANT 3026 Mummies, Zombies, and Vampires: Anthropology of the Undead  3 hrs
ANT 3148 Life and Death in Ancient Egypt  3 hrs
ANT 3149 Life and Death in the Ancient Andes  3 hrs
ANT 3541 Biobehavioral Anthropology  3 hrs
ANT 3550C Primateology  3 hrs
ANT 4027 Mummies, Life After Death  3 hrs
ANT 4115C Archaeological Method and Theory  3 hrs
ANT 4183 Archaeological Sciences  3 hrs
ANT 4184 Mortuary Archaeology  3 hrs
ANT 4406 Pain and Suffering: The Anthropology of Violence  3 hrs
ANT 4462 Medical Anthropology  3 hrs
ANT 4467 Nutritional Anthropology  3 hrs
ANT 4483 Health and Healing in the Ancient World: An Anthropological Perspective  3 hrs
ANT 4516 Human Biological Diversity  3 hrs
ANT 4521 Forensic Anthropology  3 hrs
ANT 4525C Human Osteology  4 hrs
ANT 4560 Birth to Death: Anthropological Perspectives on Human Growth  3 hrs
ANT 4586C Human Origins  3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 38

Other Requirements

- No credit by exam (TSD, Military credit) may be used to satisfy the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Minors

Biology - Minor
College of Sciences
Department of Biology, Biology, Room: 301
http://www.cos.ucf.edu/biology
Email: biology@ucf.edu
Phone: 407-823-2141

Minor Admission Requirements
- The minor is not open to Biology or Biology Preprofessional majors.

Minor Requirements
- Grades below “C” (2.0) in each course are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Biology.

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

Required Courses (31 hrs)
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- or, depending on Chemistry Placement score
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2210 Organic Chemistry I 3 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 31

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Biomedical Sciences - Minor
College of Medicine
Burnett School of Biomedical Sciences
Health and Public Affairs II, Room: 335
https://med.ucf.edu/biomed/
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (23 hrs)
- BSC 2010C Biology I 4 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- Select 1: 3 hrs
  - PCB 3233 Immunology or 3 hrs
  - PCB 4280 Molecular Immunology 3 hrs

Restricted Electives (7 hrs)
- At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Foreign Language Requirements
- None

Total Semester Hours Required
- 30

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Business - Minor
College of Business Administration
Office of Professional Development.
Business Administration II, Room: 101
Phone: 407-823-2184

Not available to Business majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- Students must satisfy each courses prerequisites before enrolling in the class.

Required Courses (18 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the College of Business.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
Chemistry - Minor
College of Sciences
Department of Chemistry,
Physical Sciences, Room: 255
http://www.cos.ucf.edu/chemistry
Email: chemstaff@ucf.edu
Dr. Pedro Patino, pedro.patino@ucf.edu

Minor Admission Requirements
- The minor is not open to Chemistry majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF within the department of Chemistry, with a minimum GPA of 2.0.

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

Required Courses (20 hrs)
- CHM 2045C Chemistry Fundamentals I 4 hrs
- or CHM 2040 Chemistry Fundamentals IA and 3 hrs
- and CHM 2041 Chemistry Fundamentals IB 3 hrs

Restricted Electives (8 hrs)
- At least one course must be selected from group I and
the remaining from group I and/or II

Group I: Select at least one course
- BCH 4103L Biochemical Methods 2 hrs
- CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 5451C Techniques in Polymer Science 3 hrs

Group II:
- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- CHS 4615 Environmental Chemistry 3 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 4220 Organic Chemistry III 3 hrs
- CHM 5225 Advanced Organic Chemistry 3 hrs
- CHM 5235 Applied Molecular Spectroscopy 3 hrs
- CHM 5450 Polymer Chemistry 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 28

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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Coaching - Minor
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
Email: SESadvising@ucf.edu
Dr. David Fukuda, David.Fukuda@ucf.edu
Phone: 407-823-0623

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The Coaching Minor includes coursework leading to partial fulfillment of the Athletic Coaching Endorsement. Full eligibility for the endorsement may require additional criteria outlined by the Florida Department of Education. For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/. This Minor is available for students in the 2001 Catalog Year and beyond. The Coaching Minor is not available to Sport and Exercise Science Pending and Sport and Exercise Science - Coaching Track majors.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA.
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System Institution

Minor Requirements
- None

Prerequisite Courses
- CHM 2045C Chemistry Fundamentals I (or equivalent) 4 hrs

Required Courses (22 hrs)
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs
- PET 4763 Coaching Methods And Principles 3 hrs
- SPM 3204 Sports and Ethics 3 hrs
- ZOO 3736C Exercise Physiology Anatomy 4 hrs

Select 1:
- PEO 3824 Coaching Basketball or 3 hrs
- PEO 3944 Coaching Football or 3 hrs
- PEO 3324 Coaching Volleyball or 3 hrs
- PEO 314C Coaching Soccer 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 22

Other Requirements
- An overall GPA of 2.5 is required to satisfy the minor.
- No grades below “C” (2.0) 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 towards the minor.
- Courses taken at Florida College System institutions may substitute for select courses with the permission of the department.
- ZOO 3736C or equivalent is a prerequisite for ATR 4132.
Minors

Cognitive Sciences - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu
Phone: 407-823-2273

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive sciences, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ Note: It is the student’s responsibility to complete satisfactorily all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

Required Courses (12 hrs)
■ Foundation Courses
■ Select from at least 4 subject areas.

Neuroscience 3 hrs
PSB 3002 Physiological Psychology or 3 hrs
PSB 4240 Neuropsychology or 3 hrs
ZOO 3744 Neurobiology 3 hrs

Philosophy 3 hrs
PHI 3320 Philosophy of Mind or 3 hrs
PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
PHI 3451 Philosophy of Psychology or 3 hrs
PHI 4341 Ways of Knowing or 3 hrs
PHI 4400 Philosophy of Science or 3 hrs
PHI 4935 Topics in Philosophy of Mind or 3 hrs
PHP 4762 Phenomenology 3 hrs

Psychology 3 hrs
EXP 3204 Sensation and Perception or 4 hrs
EXP 3604 Cognitive Psychology or 4 hrs
EXP 4507 Advanced Human Memory and Cognition 3 hrs

Computer Science and Information 3 hrs
Technology
CAP 4453 Robot Vision or 3 hrs
CAP 4630 Artificial Intelligence or 3 hrs
EEL 3552C Signal Analysis and Analog Communication 4 hrs

Language and Linguistics 3 hrs
ANT 3610 Language and Culture or 3 hrs
LIN 3010 Principles of Linguistics or 3 hrs
LIN 3716 Language Development or 3 hrs
PHI 4221 Philosophy of Language or 3 hrs
EXP 3640 Psychology of Language 3 hrs

Restricted Electives (6 hrs)
■ Select two additional courses from either the above Foundation Courses or from the following list.

Select 2: 6 hrs
ANT 3541 Biobehavioral Anthropology or 3 hrs
ANT 3550C Primatology or 3 hrs
ANT 3610 Language and Culture or 3 hrs
ANT 4586C Human Origins or 3 hrs
CAP 4630 Artificial Intelligence or 3 hrs
CAP 5015 Multimedia Compression on the Internet or 3 hrs
CAP 5415 Computer Vision or 3 hrs
CAP 5512 Evolutionary Computation or 3 hrs
COP 4520 Concepts of Parallel and Distributed Processing or 3 hrs
EXP 3204 Sensation and Perception or 4 hrs
MAP 4103 Mathematical Modeling I or 3 hrs
PHI 2101 Formal Logic I or 3 hrs
PHI 2108 Critical Thinking or 3 hrs
PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
PHI 4321Philosophies of Embodiment: Mind/Body/ Self or 3 hrs
PHI 4500 Metaphysics or 3 hrs
PSY 4025 The Psychology of Art or 3 hrs
PSY 3213C Research Methods in Psychology 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
■ 15 hours must be taken at the upper division.
■ No more than 9 credit hours may be used both toward credit for a major and the cognitive sciences 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 requires prior approval from the advisors to be used toward the minor.

Communication Sciences and Disorders - Minor
College of Health and Public Affairs
Department of Communication Sciences and Disorders,
Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/csd
Email: csdundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Licensed Speech-Language Pathology and Audiology Assistant:
This state license may be obtained by completing the minor. This minor is not available to CSD Majors or those seeking a Language Development and Disorders Certificate.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ Note: 1 This is the prereq for LIN 3716 and LIN 3716L

Required Courses (24 hrs)
SPA 3471 Communication Disorders in Literature and Media 3 hrs
SPA 3112 Basic Phonetics 3 hrs
SPA 3112L Basic Phonetics Lab 1 hr
Lin 3716 Language Development or 3 hrs
Lin 3716L Language Development Lab 2 hrs
SPA 3101 Physiological Bases of Speech and Hearing or 3 hrs
SPA 4032 Audiology 3 hrs
SPA 4400 Language Disorders Across the Life Span 3 hrs
SPA 4476 Speech Disorders Across the Lifespan 3 hrs

1 Lin 3713 is a prerequisite.

Restricted Electives
■ None

Foreign Language Requirements
■ None
Total Semester Hours Required
■ 24

Other Requirements
■ A minimum grade of "C-" (1.75) is required in all courses used to satisfy the minor.
■ Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.
■ At least 19 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

Community Arts - PAVE - Minor
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Phone: 407-823-2678

Minor Admission Requirements
■ None

Minor Requirements
Partners in Art in Visual Education (PAVE)
■ A minor in Community Arts-PAVE is offered for the student who is majoring in Art, Music, Theatre, or English (with a Creative Writing focus). Students interested in the minor should contact the School director.

Prerequisite Courses
■ None

Required Courses
■ None

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below "C" (2.0) are not accepted.
■ At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
■ No credit by exam (TSD, Military credit) may be used toward the minor.

Community Sport and Fitness - Minor
College of Education and Human Performance
Department of Educational and Human Sciences
Education Complex, Room: 209
Dr. David Fukuda, David.Fukuda@ucf.edu, 407-823-0623

The Community Sport and Fitness minor is available at the South Lake Campus. It is appropriate for students seeking positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. This minor is available for students in the 2016 catalog year and beyond.

Admission Requirements
■ Have a minimum 2.5 overall GPA
■ Complete the University General Education Program requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System Institution

Minor Requirements
■ No grades below “C” (2.0) and no “S” grades will be accepted.
■ At least 12 hours used in the minor must be earned at UCF.
■ An overall GPA of 2.5 is required to satisfy the minor.

Prerequisite Courses
■ None

Required Courses
■ (18 hrs)
PET 3820  Teaching Sports Skills I  3 hrs
LEI 4266  Outdoor and Leisure Activities  3 hrs
SPM 3415  Public Relations in Sport and Exercise Science  3 hrs
SPM 3130  Aquatic Management  3 hrs
SPM 3504  Fiscal and Facilities: Issues in Sport and Exercise Science  3 hrs
SPM 3204  Sports and Ethics  3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD or Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

Computer Science - Minor
College of Engineering and Computer Science
Department of Computer Science,
Harris Corp. Engineering Center, Room: 346
http://www.cs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-3327

Minor Admission Requirements
■ Not open to Computer Engineering, Computer Science or Information Technology majors.

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ (18 hrs)
COP 3223C  Introduction to Programming with C  3 hrs
COP 3330  Object Oriented Programming  3 hrs
COP 3502C  Computer Science I  3 hrs
COP 3503C  Computer Science II  3 hrs
CDA 3103C  Computer Logic and Organization  3 hrs
Select 1:  3 hrs
COT 3100C  Introduction to Discrete Structures or MAD 2104  Foundations of Discrete Math  3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Not open to Computer Engineering, Computer Science or Information Technology majors.
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ 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.
Minors

Crime, Law, and Deviance - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Elizabeth E. Mustaine, libby@ucf.edu, 407-823-3744

The Crime, Law, and Deviance minor examines matters of sociological interest related to the study and understanding of deviant, delinquent, and criminal behavior, the relationship between law and society, and victimology. The minor facilitates an understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students are expected to have a minimum GPA of 2.0 in the minor and earn a “C” or better in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

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

Required Courses (6 hrs)
- SYP 3520 Criminology 3 hrs

Required: Complete one of the following (3 hrs)
- SYG 2000 Introduction to Sociology
- SYG 2010 Social Problems

Restricted Electives (12 hrs)
- Select from the following:
  - SYP 3510 Sociology of Deviant Behavior 3 hrs
  - SYP 3511 Sociology of Murder 3 hrs
  - SYP 3530 Juvenile Delinquency 3 hrs
  - SYP 3540 Sociology of Law 3 hrs
  - SYP 3562 Patterns of Domestic Violence in Society 3 hrs
  - SYP 4514 Patterns of Violence in Society 3 hrs
  - SYP 4521 Crime Victims in Society 3 hrs
  - SYP 4536 Gangs and Society 3 hrs

Foreign Language Requirements
- None

Other Requirements
- No Internship, Experiential Education or Independent Study credit can be used toward the minor.

Cultural Anthropology - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Email: anthro@ucf.edu
Dr. Sarah Barber
Phone: (407) 823-2227

The Cultural Anthropology Minor allows students to explore the diversity of cultures in a variety of non-Western and Western contexts, both historically and in the present. Students examine how ideas about cultures have evolved over time and how anthropology has researched, analyzed, and understood cultural diversity and change. Courses include topics of colonialism, Westernization and culture change, globalization, migration and refugees, poverty, war and violence, race, gender and sexuality, media and popular culture, and medical anthropology. There are three great reasons to pursue the Cultural Anthropology Minor. First, the material is intellectually exciting and engages students in thinking about the most pressing social, global, and political issues taking place around us. Second, understanding cultural complexities complements and adds depth to any major, and demonstrates students’ well-rounded education. Third, cultural anthropology opens doors in variety of career setting, including global and local advocacy, public service, health sector, business, research, and teaching.

Admission Requirements
- The minor is not open to Anthropology majors.

Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.
- Only two anthropology courses can overlap for students enrolled in multiple anthropology programs (minors or certificates).

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

Required Courses (6 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs

Restricted Electives (12 hrs)
Select 2: 6 hrs
- CJC 3010 Corrections and Penology or 3 hrs
- CCJ 3014 Corrections and Penology or 3 hrs
- CJC 3000 Corrections and Penology 3 hrs

Six semester hours of Criminal Justice courses (selected with aid of an advisor)

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Criminal Justice - Minor
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Cory Watkins, 407-823-2603

Minor Admission Requirements
- None

Minor Requirements
- Students must earn a grade of “C” (2.0) or better in each required course used to satisfy the minor.
- Grades less than “C” (2.0) cannot be used towards the minor.

Prerequisite Courses
- None

Required Courses (3 hrs)
- ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts
### Minors

#### Dance - Minor

**College of Arts and Humanities**

**Department of Theatre,**

Performing Arts Center, Room: T210A


Judi Siegfried, dance@ucf.edu, 407-823-2862

**Minor Admission Requirements**

- A successful audition - contact department for audition dates.

**Minor Requirements**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 3645</td>
<td>Choreography Practicum</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3684</td>
<td>Dance Performance</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2290L</td>
<td>Theatre Participation-Production</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPP 2190L</td>
<td>Theatre Participation</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 2090L</td>
<td>Theatre Participation</td>
<td>1 hr</td>
</tr>
<tr>
<td>DAA 3004L</td>
<td>Dance Studio</td>
<td>1 hr</td>
</tr>
<tr>
<td>DAA 3508C</td>
<td>Jazz Dance III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3805</td>
<td>Directed Study</td>
<td>1 hr</td>
</tr>
<tr>
<td>DAA 4912</td>
<td>Directed Independent Research</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- Complete five of the following courses:
  - AN 3179 Australian Archaeology and Indigenous Cultures 3 hrs
  - AN 3212 Peoples of the World 3 hrs
  - AN 3241 Magic, Ritual, and Belief 3 hrs
  - AN 3245 Native American Religions 3 hrs
  - AN 3275 Anthropological Perspectives on Refugees 3 hrs
  - AN 3290 Anthropology of Plants and People 3 hrs
  - AN 3302 Sex, Gender and Culture 3 hrs
  - AN 3311 Indians of the Southeastern United States 3 hrs
  - AN 3312 Ethnology of North American Indians 3 hrs
  - AN 3313 Indians of North America High Plains 3 hrs
  - AN 3330 Anthropology of the Amazon 3 hrs
  - AN 3362 Peoples of Southeast Asia 3 hrs
  - AN 3610 Language and Culture 3 hrs
  - AN 3701 Engagement & Social Change: Public Anthropology 3 hrs
  - AN 4013 Anthropology of Fast Food 3 hrs
  - AN 4034 History of Anthropological Thought 3 hrs
  - AN 4051 Environmental Anthropology 3 hrs
  - AN 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
  - AN 4332 People and Cultures of Latin America 3 hrs
  - AN 4408 Culture, Disease, and Healing 3 hrs
  - AN 4441 Anthropology of Cities 3 hrs
  - AN 4462 Medical Anthropology 3 hrs
  - AN 4467 Nutritional Anthropology 3 hrs
  - AN 4480 Global Health in Anthropological Perspective 3 hrs
  - AN 4481 Anthropology of Drugs and Addiction 3 hrs
  - AN 4482 Anthropology of Mental Health 3 hrs
  - AN 4702 Culture, Inequality and Global Development 3 hrs
  - AN 4802 Ethnographic Field Methods 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

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### Digital Humanities - Minor

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**

[http://english.ucf.edu](http://english.ucf.edu)

Dr. Pat Angley

Phone: 407-823-5596

**Admission Requirements**

- None

**Minor Requirements**

- None

**Required Courses**

- None

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 2201C</td>
<td>Ballet I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2202C</td>
<td>Ballet II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2203C</td>
<td>Ballet III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2393C</td>
<td>World Dance</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

**Theory and Critique**

- Select two from the following:
  - AMH 4644 Viewing American History in the Twentieth Century or Digital Cultures & Narrative or Comparative Literature 3 hrs
  - ENC 3417 Literacy and Technology or DEC 4150 History and Historians or Digital Humanities 3 hrs
  - HIS 3323 Minds and Machines: Philosophy of Cognitive Science or Digital Ethics or Digital Humanities 3 hrs
  - PHI 3625 Advanced Ethics in Science and Technology or Digital Humanities 3 hrs
  - PHI 3626 Advanced Ethics in Science and Digital Ethics or Digital Humanities 3 hrs
Minors

Foreign Language Requirements
- None
Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor except in DIG 2000 where a "B" (3.0) or better is required.
- At least 12 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

Digital Media - Minor
College of Arts and Humanities
School of Visual Arts and Design
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Minor Admission Requirements
- None
Minor Requirements
- None
Prerequisite Courses
- None

Required Courses (12 hrs)
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030 Digital Video Fundamentals 3 hrs
- DIG 2109 Digital Imaging Fundamentals 3 hrs
- DIG 2500 Fundamentals of Interactive Design 3 hrs

Restricted Electives (6 hrs)
- Select two courses:
- Or - any 3000 or 4000 level courses approved by the School of Visual Arts and Design.

Diplomacy - Minor
College of Sciences
College of Arts and Humanities
Department of Political Science,
Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Dr. R. Handberg, (407) 823-2608
Peter Larson, History@ucf.edu, (407) 823-2225

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this minor will gain experience in diplomatic history, concepts, theories, methods, protocol and practice.

Admission Requirements
- None

Minor 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 participating departments.

Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (9 hrs)
- AMH 4513 United States as a Great Power: 1945-Present 3 hrs
- INR 4030 Diplomacy 3 hrs
- INR 4102 American Foreign Policy 3 hrs

Restricted Electives (9 hrs)
- Select from the following:

Foreign Language Requirements
- None
Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor except in DIG 2000 where a "B" (3.0) or better is required.
- At least 12 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit can be used in the minor only with prior written permission from a school advisor.

UNIVERSITY OF CENTRAL FLORIDA
Minors

Diversity and Social Inequality - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Lin Huff-Corzine, sociology@ucf.edu, 407-823-3744

The Diversity and Social Inequality Minor examines the social class, status, and power in contemporary global society. The minor facilities an understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of fields, including those in non-profit agencies, human resources, and service organizations.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.
- Students are expected to have a minimum GPA of 2.0 in the minor and earn a “C” or better in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

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

Required Courses (6 hrs)
- SYO 3530 Social Power and Inequality 3 hrs

Required: Complete one of the following: 3 hrs
- SYG 2030 Introduction to Sociology or
- SGY 2010 Social Problems

Restricted Electives (12 hrs)
- Select from the following:
  - SYD 3410 Urban Society 3 hrs
  - SYD 3700 Race and Ethnicity 3 hrs
  - SYD 3800 Sex and Gender in Society 3 hrs
  - SYD 4820 Men, Masculinities and Society 3 hrs
  - SYG 4244 Food and Society 3 hrs
  - SYG 4242 Men, Masculinities, and Health 3 hrs
  - SYO 4100 Family Trends 3 hrs
  - SYO 4200 Religion in Society 3 hrs
  - SYD 4810 Women in Contemporary Society 3 hrs
  - SYD 4813 Women, Law and Social Change 3 hrs
  - SYP 3060 Sociology of Sex and Reproduction 3 hrs
  - SYP 3323 Video Games in Society 3 hrs
  - SYP 4420 The Consumer Society 3 hrs
  - SYG 4458 Global Inequality and Society 3 hrs
  - SYG 4732 Minority Aging 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Early Childhood Development and Education - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Building, Room: 209
http://education.ucf.edu/ece/
Email: ece@ucf.edu
Dr. Judy Levin, ED 122L, Judith.Levin@ucf.edu
Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood Development and Education major and does not lead to teacher certification or admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education and development or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.
- A minimum overall GPA of 2.75.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Minor Requirements
- Must maintain a minimum overall MINOR GPA of 2.75.
- At least 12 hours used in the minor must be earned at UCF.
- Once the Early Childhood Development and Education Minor has been declared and approved, Early Childhood Development and Education Minor students must schedule an appointment with their program advisor listed on their ECDE Minor DARS Audit.
- NOTE: Completion of the Early Childhood Development and Education Minor does not complete the requirements for certification in Early Childhood Development.

Prerequisite Courses
- None

Required Courses (15 hrs)
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs

Restricted Electives (6 hrs)
Choose two:
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood Education 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs
- EEC 4744 Child Life: Psychosocial Care of Children in Health Settings 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21
Economics - Minor
College of Business Administration
Department of Economics,
Business Administration II, Room: 305
http://www.bus.ucf.edu/economics

Dr. David Scrogin, BAZ 302U, David.Scrogin@ucf.edu,
407-823-4129
Dr. Nora Underwood, BAZ 302N, 407-823-1403
Phone: 407-823-3266

(minutes for both Business Majors and non-Business Majors)

The Economics Minor is designed to complement a broad range of business and non-business majors. The Minor requires a core of courses in economic theory and applications along with a selection of electives that can be tailored to the student’s personal interests. This Minor is highly recommended for students considering graduate school in business, economics, law or public administration. Not open to students in the Mathematical Economics concentration of the Mathematics (BS) or Economics (BSBA). Not open to students in the Mathematical Economics concentration of the Mathematics (BS) major.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
ECO 2013  Principles of Microeconomics  3 hrs
ECO 2023  Principles of Macroeconomics  3 hrs
Select 1: 3 hrs
ECO 3101  Intermediate Microeconomics or 3 hrs
ECO 3203  Intermediate Macroeconomics  3 hrs

Restricted Electives
Upper Division Restricted Electives 9 hrs
■ Select from any ECO, ECP or ECS courses at the 2000 - 4000 level, excluding ECO 3401 and ECO 3411.
■ Note: ECO 3401 (or equivalents) is a pre-requisite for the following:
ECO 3101  Intermediate Microeconomics  3 hrs
ECO 3203  Intermediate Macroeconomics  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at Florida College System institutions do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
■ A maximum of 6 hours of the above listed restricted elective courses can count toward another major or minor degree program.

Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 206F
http://education.ucf.edu/edminor
Lindsay Archambault, lindsay.archambault@ucf.edu, 407-823-2881

The Education minor is intended to provide for university students outside the College of Education and Human Performance a limited but substantial experience in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance. This minor is not available to students in pending status in a College of Education and Human Performance major. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
■ Have a minimum 2.5 overall GPA
■ Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (15 hrs)
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs

Restricted Electives (3 hrs)
■ Select one
MAE 4634  Programs in Teaching of Mathematics  3 hrs
SSE 4936  Programs in Teaching Social Science and Composition  3 hrs
LAE 4464  Survey of Adolescent Literature  3 hrs
LAE 4342  Programs in Teaching Language and Adolescents  3 hrs
PET 4710  Methods for Physical Activity for Children and Adolescents  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ A minimum GPA of 2.5 of all Gordon Rule classes is required.
■ At least 12 hours used in the minor must be earned at UCF.
■ No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

NOTE:
Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.
Students may enroll in the Education Minor or a Minor in a Content Area, but not both.
Emergency Management and Homeland Security - Minor

College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238

http://www.cohipa.ucf.edu/publicadmin
Dr. Claire Knox, claire.knox@ucf.edu, 407-823-2604

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- PAD 4822 Intergovernmental Administration 3 hrs
- PAD 4392 Emergency Management and Homeland Security 3 hrs
- PAD 4712 Information Systems for Public Managers and Planners 3 hrs
- PAD 4395 Disaster Response and Recovery 3 hrs
- PAD 4390 Hazard Mitigation and Preparedness 3 hrs

Restricted Electives (3 hrs)
Select 1:
- DSC 4012 Terrorism or 3 hrs
- DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Grades below "C" (2.0) or "S" grades are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship or Independent Study cannot be used toward the minor.
- Students must earn a "C" (2.0) or better in each course in the minor.

Engineering Leadership - Minor

College of Engineering and Computer Science

Dr. Timothy Kotnour, Timothy.Kotnour@ucf.edu, 407-823-5645

Provides a knowledge base in technical leadership and management principles and practices in a technical environment. This certificate is designed to enhance the student's marketability, preparation and career viability as they enter the engineering and computer science professions.

Minor Admission Requirements
- Students must have a declared Computer Science or engineering major. Not open to students in engineering pending majors.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- Discipline specific design course in engineering or Computer Science
- LDR 2001 Foundations of Leadership 2 hrs
- LDR 2002 Intermediate Foundations of Leadership 2 hrs
- MAN 3025 Management of Organizations 3 hrs
- PHI 3038 Ethical Issues in the 21st Century 3 hrs
- EGS 3030 Leadership in Engineering I 0 hrs
- EGS 3031 Leadership in Engineering II 0 hrs
- EGS 4950 Engineering Leadership Capstone 3 hrs

Pick one of the following 3 hrs
- MAR 3391 Professional Selling or ENT 4183 Technological Entrepreneurship 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students must have a minimum grade of "C" (2.0) or Satisfactory (in eligible courses) in all courses in the minor.
- Not open to students seeking the Engineering Leadership Certificate.
- Any course substitution must be approved by the Associate Dean responsible for Undergraduate Curriculum within CECS.

English - Creative Writing - Minor

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405

http://english.ucf.edu/

Email: english@ucf.edu

Dr. Trey Philpotts, 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

Restricted Electives (6 hrs)
Select one course after completing CRW 3013
- CRW 3120 Fiction Writing Workshop 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- CRW 3310 Poetry Writing Workshop 3 hrs
- CRW 3610 Writing Scripts 3 hrs

Select one course
- CRW 4122 Advanced Fiction Writing Workshop 3 hrs
- CRW 4224 Advanced Nonfiction Writing Workshop 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop 3 hrs

Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major.

Restricted Upper Division Electives--select two courses 6 hrs
- CRW 3311 Readings in Poetry for Creative Writing 3 hrs
- CRW 3540 Literary Magazines 3 hrs
- CRW 4114 History of Prose Style 3 hrs
Minors

CRW 4724  The Florida Review  3 hrs
ENC 3310  Magazine Writing I  3 hrs
CRW 4722  Editing for Creative Writers  3 hrs
CRW 6806C  Teaching Creative Writing  3 hrs
Any other CRW elective or Special Topics course  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

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 - Linguistics - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/
Email: english@ucf.edu
Dr. Trey Philpotts
Phone: 407-823-5596

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
LIN 3010  Principles of Linguistics  3 hrs
LIN 4105  History of the English Language  3 hrs
LIN 4680  Modern English Grammar  3 hrs

Restricted Electives (9 hrs)
LIN 4680  Linguistics and Literature  3 hrs
LIN 4801  Language and Meaning  3 hrs
LIN 5137  Linguistics  3 hrs
ANT 3610  Language and Culture  3 hrs
PHI 4400  Philosophy of Science  3 hrs
PHI 4221  Philosophy of Language  3 hrs
SPA 3112  Basic Phonetics  3 hrs
Or any course approved by the Linguistics Committee  3 hrs

Foreign Language Requirements
■ None

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 - Literature - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/
Email: english@ucf.edu
Dr. Trey Philpotts, 407-823-5596

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (3 hrs)
1 ENG 3014  Theories and Techniques of Literature Study  3 hrs

Restricted Electives (15 hrs)
■ English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Technical Communication - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/
Email: english@ucf.edu
Dr. Trey Philpotts, 407-823-5596

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
ENC 4215  Technical Publication and Project Management  3 hrs
ENC 4218  The Visual in Technical Documentation  3 hrs
ENC 4293  Documentation and the Collaborative Process  3 hrs
ENC 4294  Documentation and Client-Based Collaboration  3 hrs
ENC 4280  Technical Writing Style  3 hrs
ENC 3241  Writing for the Technical Professional  3 hrs
Students completing the minor may intern with a Central Florida corporation

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ At least 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.
Minors

English Language Arts Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/englished/
Dr. Elsie Olan, ED 223N, Elsie.Olan@ucf.edu
Phone: 407-823-5179

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. This minor is not available to students in pending status in a College of Education and Human Performance major.

Minor Admission Requirements
■ Have a minimum 2.5 overall GPA
■ Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
■ A C- or better is required in these 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
- LAE 4466 Canon, Young Adult Literature and the English Language Arts Curriculum 3 hrs
- LAE 4360 English Instructional Analysis 3 hrs
- Select 1: LAE 4342 Programs in Teaching Language and Composition or 3 hrs
- LAE 4464 Survey of Adolescent Literature or 3 hrs
- LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Students should see an advisor prior to registering for classes.
■ Students must complete 18 hrs of courses in English as co-requisites.
■ Obtain a minimum 2.5 GPA in courses required for minor.
■ At least 12 hours in the minor must be earned at UCF.

Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration I, Room: 309
Open to Business and Non-Business Students
http://www.cel.ucf.edu
Dr. Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

The entrepreneurship minor provides students from all academic disciplines with entrepreneurial skills needed to create successful startup ventures, new corporate initiatives, and potent non-profit organizations. This minor is a great complement to students' education because it adds broad entrepreneurial thinking skills to the deep discipline-based expertise provided by academic majors. Participants will learn how to recognize opportunities, formulate solutions, and deliver results to those in need. These skills are essential to starting new businesses, and are valued by small and large organizations seeking employees who can create and lead innovative new initiatives.

Minor Admission Requirements
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
■ ENT 3613 Creativity and Entrepreneurship 3 hrs
1 ENT 4013 New Venture Design 3 hrs
2 ENT 4014 New Venture Implementation 3 hrs

Select 1:
■ ENT 4183 Technological Entrepreneurship or 3 hrs
ENT 4503 Social Entrepreneurship 3 hrs

1 Students may substitute ENT 5016-New Venture Design for ENT 4013-New Venture Design, and/or ENT 5206-New Venture Implementation for ENT 4014-New Venture Implementation with the consent of the graduate course instructor. Contact the program coordinator for more information.

Restricted Electives (6 hrs)
■ Select 2:
- EGN 4641C Engineering Entrepreneurship or 3 hrs
- ENT 4183 Technological Entrepreneurship or 3 hrs
- ENT 4412 Managing Small Business Finances or 3 hrs
- ENT 4503 Social Entrepreneurship or 3 hrs
- ENT 4906 Directed Independent Study or 1 hr
- ENT 4942 Entrepreneurial Internship or 3 hrs
- MAN 4046 Teamwork, Collaboration, and Group Dynamics or 3 hrs
- MAN 4143 Leadership Development or 3 hrs
1 MAR 3407 Contemporary Selling or 3 hrs
MAR 3765 Entrepreneurial Marketing 3 hrs

1 Requires completion of the College of Business Common Program Prerequisites and Primary Core as prerequisites. Therefore, these courses are not available to non-business majors.
2 Independent study requires students to develop a portfolio of new venture deliverables that demonstrate specific entrepreneurship competencies. Competencies addressed, milestones completed, and deliverables required will be determined in consultation with supervising faculty. Details regarding independent study opportunities are available at http://www.cel.ucf.edu.
3 Internships must be in collaboration with a local startup, small business, or entrepreneurship support organization. Internship packets are available in the Management Department (BA1-309).

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at Florida College System institutions 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.
Minors

Environmental Studies - Minor

College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspection and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.

Minor Admission Requirements

■ None

Minor Requirements

■ None

Prerequisite Courses

■ Note: It is the student’s responsibility to ensure that prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

Required Courses (3 hrs)

IDS 3150 Foundations of Environmental Studies 3 hrs

Restricted Electives (18 hrs)

■ Take 9 hours from each section.

Science Electives 9 hrs

BCH 4053 Biochemistry I 3 hrs
BCH 4054 Biochemistry II 3 hrs
BOT 3152C Local Flora 3 hrs
BOT 3802 Ethnobotany 3 hrs
BOT 4303C Plant Kingdom 5 hrs
BOT 4713C Plant Taxonomy 5 hrs
BSC 4312C Advanced Marine Biology 4 hrs
CHM 3120 Analytical Chemistry 3 hrs
1 GIS 3043C GIS for Environmental Studies 3 hrs
1 GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
OCE 3008 Oceanography 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3442 Aquatic Ecology 3 hrs
PCB 4683 Evolutionary Biology 4 hrs
PCB 4723 Animal Physiology 4 hrs
PCB 5045 Conservation Biology 4 hrs
PCB 5326C Ecosystems of Florida 5 hrs
ZOO 4910L Research Experience in Animal Behavior in a Zoo Environment 3 hrs

1 GIS 3043 and GIS 4301 can be used in either the Science or the Values, Planning, and Policy area but cannot be used in both.

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 21

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 advisers 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 advisers.

European Studies - Minor

College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
Email: politics@mail.ucf.edu
Dr. Kerstin Hamann
Phone: 407-823-2608

An interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the Director of European Studies.

Minor Admission Requirements

■ None

Minor Requirements

■ A grade of "C" (2.0) or better is required for all courses counting towards the minor.
■ A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
■ At least 18 hours used in the minor must be taken at UCF.
■ At least 15 credits used in the minor must be taken at the upper division.
■ No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

Prerequisite Courses

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

Required Courses (6 hrs)

CPO 4101 Politics of the European Union 3 hrs
LIT 3082 Continental European Fiction Since 1900 3 hrs

Values, Planning, and Policy Electives 9 hrs

ANT 3541 Biobehavioral Anthropology 3 hrs
BOT 3802 Ethnobotany 3 hrs
ECP 4303 Environmental and Natural Resource Economics 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
ENC 4360 Nature Writing 3 hrs
1 GIS 3043C GIS for Environmental Studies 3 hrs
1 GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
INR 4551 International Environmental Law 3 hrs
PAD 3330 Urban and Regional Planning 3 hrs
PAD 4351 Issues in Environmental Program Management 3 hrs
PHI 3033 Philosophy, Religion, and the Environment 3 hrs
PHI 4400 Philosophy of Science 3 hrs
PHI 3640 Environmental Ethics 3 hrs
PHI 4633 Ethics and Biological Science 3 hrs
PHM 4301 Environmental Philosophy 3 hrs
PLA 4554 Environmental Law 3 hrs
PUP 3203 Environmental Politics 3 hrs
PUP 3204 Sustainability 3 hrs
PUP 4209 Urban Environmental Policy 3 hrs

1 GIS 3043 and GIS 4301 can be used in either the Science or the Values, Planning, and Policy area but cannot be used in both.
**Minors**

### Restricted Electives (15 hrs)
- Course substitutions are subject to prior approval by the director.
- **Literature, Film, and Culture:**
  - Select from the following courses: 3 hrs
    - Note: Courses offered by the Modern Languages Department might be offered in a language other than English.
    - ENL 2022 English Literature II or 3 hrs
    - ENL 4101 English Novel or 3 hrs
    - ENL 4240 English Romantic Writers or 3 hrs
    - ENL 4262 Nineteenth Century British Prose or 3 hrs
    - ENL 4273 Modern British Literature or 3 hrs
    - FIL 3823 German Film or 3 hrs
    - FIL 3824 Italian Neo-Realist Cinema or 3 hrs
    - FRE 4500 French Civilization and Culture or 3 hrs
    - FRT 3562 French Contemporary Pop Culture or 3 hrs
    - FRW 3370 Short Stories of 18th, 19th and 20th Centuries or 3 hrs
    - INR 4063 The Cold War or 3 hrs
    - INR 4035 International Political Economy or 3 hrs
- **Political Science or Economics:**
  - Select from the following courses: 6 hrs
    - JST 3701 History of the Holocaust or 3 hrs
    - EUH 4465 Hitler’s Third Reich or 3 hrs
    - EUH 4501 English History: 1485-1815 or 3 hrs
    - EUH 4502 British History: 1815-Present or 3 hrs
    - EUH 4574 History of Russia: 1801-1917 or 3 hrs
    - EUH 4510 Women in European Society: From Medieval to Modern or 3 hrs
    - EUH 4620 European Great Powers: 1815-1914 or 3 hrs
    - EUH 4663 History of Communism in Europe or 3 hrs
    - JST 3701 History of the Holocaust or 3 hrs
- **History:**
  - Select from the following courses: 6 hrs
    - EUH 3235 Romanticism and Realism or 3 hrs
    - EUH 3242 Modern Europe and the First World War or 3 hrs
    - EUH 3281 Second World War and Rebirth of Europe or 3 hrs
    - EUH 3411 History of the Roman Republic or 3 hrs
    - EUH 3431 History of Modern Italy or 3 hrs
    - EUH 3451 History of Modern France or 3 hrs
    - EUH 4284 Fascism and Nazism in the Interwar Europe or 3 hrs
    - EUH 4400 The History of Ancient Greece or 3 hrs
    - EUH 4465 Hitler’s Third Reich or 3 hrs
    - EUH 4501 English History: 1485-1815 or 3 hrs
    - EUH 4502 British History: 1815-Present or 3 hrs
    - EUH 4574 History of Russia: 1801-1917 or 3 hrs
    - EUH 4576 History of Russia in the 20th Century or 3 hrs
    - EUH 4610 Women in European Society: From Medieval to Modern or 3 hrs
    - EUH 4620 European Great Powers: 1815-1914 or 3 hrs
    - EUH 4663 History of Communism in Europe or 3 hrs
    - JST 3701 History of the Holocaust or 3 hrs
- **Political Science or Economics:**
  - Select from the following courses: 3 hrs
    - CPO 3104 Politics of Western Europe or 3 hrs
    - CPO 3614 Politics of Eastern Europe or 3 hrs
    - CPO 4074 Political Economy or 3 hrs
    - CPO 4123 Government and Politics of Great Britain or 3 hrs
    - CPO 4445 Comparative Political Parties or 3 hrs
    - CPO 4643 Government and Politics of Russia or 3 hrs
    - CPO 4710 Women in Comparative Politics or 3 hrs
    - CPO 4754 Comparative Political Institutions or 3 hrs
    - CPO 4784 Political and Economic Inequality in Comparative Perspective or 3 hrs
    - ECO 3703 International Microeconomics or 3 hrs
    - ECO 4303 History of Economic Thought or 3 hrs
    - INR 4035 International Political Economy or 3 hrs
    - INR 4063 The Cold War or 3 hrs

### Other areas:
- Select from the following courses: 3 hrs
  - ARH 4430 19th Century Art or 3 hrs
  - ARH 4450 20th Century Art or 3 hrs
  - PHH 3510 Marx and Nietzsche or 3 hrs
  - PHP 3783 Modernity as a Philosophical Problem or 3 hrs
  - PHP 3786 Existentialism or 3 hrs
  - PHP 4782 Phenomenology or 3 hrs

### Foreign Language Requirements
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, Russian, or Spanish (other languages require approval of director).

### Total Semester Hours Required
- 21

### Other Requirements
- No credit by exam (military credit, TSD) may be used toward the minor.

### Event Management - Minor

**Rosen College of Hospitality Management**

Department of Tourism Event and Attractions

9907 Universal Blvd. Orlando, FL 32819

http://www.hospitality.ucf.edu

**Email:** Hospitality@ucf.edu

**Phone:** (407) 903-8000

This minor is well suited and intended for students who have interest in the field of the performing arts (Music, Arts, and Theater).

The Event Management minor is geared to expose and increase students' knowledge base of the growing hospitality and event industries. This program teaches students how to strategically promote various types of events and how to identify potential risk while planning and executing an event(s). Students will be able to individualize their minor by the option to choose two restricted event management electives focused toward their career interest.

### Admission Requirements
- Not open to majors of the Rosen College of Hospitality Management.

### Minor Requirements
- None

### Prerequisite Courses
- Students who have not completed the prerequisites should contact the Instructor for consent to enroll.

### Required Courses (12 hrs)
1. **HFT 2750** The Event Industry or 3 hrs
2. **HFT 3512** Event Promotion or 3 hrs
3. **HFT 3670** Hospitality and Event Risk Management or 3 hrs

### Restricted Electives (6 hrs)

#### Select 2:
1. **HFT 3519** Event Services or 3 hrs
2. **HFT 3523** Event Sales or 3 hrs
3. **HFT 3743** Meeting Management or 3 hrs
4. **HFT 3798** Fairs and Festivals or 3 hrs
5. **HFT 4795** Entertainment Arts and Events or 3 hrs
6. **HFT 4796** International Events or 3 hrs

1. **HFT 2750** is the prerequisite course for all upper level Event Management courses.

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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 Rosen College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- Final Exams will be given during Final Exam week only.
- No substitutions are allowed for any of the required minor courses.

Exceptional Student Education - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences, Education Complex, Room: 315
http://education.ucf.edu/academics_minors.cfm
Dr. Maria Reyes, Program Coordinator, maria.reyes@ucf.edu

The Exceptional Student Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor does not lead to teacher certification or admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career in the fields of education or exceptional education. This minor will strengthen the marketability of the student’s major program.

Minor Admission Requirements
- Minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements
- Students must earn a “C” (2.0) in all minor courses.
- Students must choose an elementary, early childhood or secondary focus.

Prerequisite Courses
- None

Required Courses (12 hrs)
- EEX 4601 Introduction to Behavior Management 3 hrs
- EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
- EEX 3221 Assessment of Exceptional Students 3 hrs
- EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Restricted Electives (6 hrs)
- Choose Two
- EEX 3450 Early Childhood Restricted Electives
  - Young Children With Special Needs 3 hrs
  - Methods for Academic Skills for Exceptional Students 3 hrs
- EEX 4070 Elementary Restricted Electives
  - Teaching Exceptional Students 3 hrs
  - Methods for Academic Skills for Exceptional Students 3 hrs
- EEX 4242 Secondary Restricted Electives
  - Teaching Exceptional Students in Secondary Settings 3 hrs
  - Techniques for Exceptional Adolescents-Adults 3 hrs

Other Requirements
- Completion of the minor does not complete the requirements for certification in Exceptional Student Education nor does it constitute admission in the College of Education and Human Performance.

Film - Cinema Studies - Minor
College of Arts and Humanities
School of Visual Arts and Design, Nicholson School of Communication, Room: 121
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Minor Admission Requirements
- Completion of a Minor Declaration form

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 2423 Foundations of Production 3 hrs

Select 1:
- FIL 1007 Foundations of Story or 3 hrs
- FIL 1000 Cinema Survey 3 hrs

Restricted Electives (6 hrs)
- Choose Two
- FIL 3890C Images of Women in Film 3 hrs
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 3841 French New Wave Cinema 3 hrs
- FIL 3842 Italian Neo-Realist Cinema 3 hrs
- FIL 3823 German Film 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- FIL 4647 Film Production Management 3 hrs
- FIL 3847 Latin American Cinema 3 hrs
- FIL 3363C Film Documentary 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.

Finance - Minor
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

Open to business and non-business students. Not available to finance majors.

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Fitness Training - Minor

College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
Email: SESadvising@ucf.edu

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to seek industry certification in the Sport and Fitness Profession. This Minor is available for students in the 2001 catalog year and beyond. The Fitness Training minor is not available to Sport and Exercise Science Pending and Sport and Exercise Science - Human Performance Track majors.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System Institution

Minor Requirements
- No grades below “C” (2.0) and no “S” grades will be accepted.
- An overall GPA of 2.5 is required to satisfy the minor.

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIN 3403 Business Finance 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4243 Debt and Money Markets 3 hrs
- FIN 4504 Equity and Capital Markets 3 hrs
- 1 ACG 2021 and ECO 2023 prerequisites are waived for non-business students.

Restricted Electives (6 hrs)
- Select 2:
  - FIN 3461 Financial Statement Analysis or 3 hrs
  - FIN 4324 Commercial Bank Management or 3 hrs
  - FIN 4453 Financial Models or 3 hrs
  - FIN 4514 Portfolio Analysis and Management or 3 hrs
  - FIN 4533 Financial Derivatives or 3 hrs
  - FIN 4604 International Financial Management or 3 hrs
  - FIN 4424 Advanced Topics in Financial Management 3 hrs

Foreign Language Requirements
- None
Minors

Global Peace and Security Studies - Minor
College of Sciences
Department of Political Science,
Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu
Dr. P. Vasquez, 407-823-2608
Dr. J. Sacher, 407-823-2225

In the face of some of the most complicated international peace and security challenges and opportunities that the global community has ever encountered, the ability to understand the factors that contribute to conflict and conflict resolution is vitally important. Students who complete this minor will gain experience in the history of war and society, U.S. and international security policy, and causes of war.

Admission Requirements
■ None

Minor Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor
■ Students majoring in history or political science can take no more than 3 hours of electives in their major department.

Prerequisite Courses
■ Students must satisfy each course’s prerequisite before enrolling in the class

Required Courses (6 hrs)
- EHU 3651 War and Society 3 hrs
- INR 4060 Causes of War 3 hrs

Restricted Electives (12 hrs)
- AMH 3547 U.S. Military History Since 1900 3 hrs
- AMH 4513 United States as a Great Power: 1945-Present 3 hrs
- ASH 3223 The Modern Middle East 3 hrs
- ASH 4243 History of Iraq 3 hrs
- ASH 4404 Modern China 3 hrs
- CPO 3057 Contemporary Revolution and Political Violence 3 hrs
- CPO 3403 Politics of the Middle East 3 hrs
- CPO 4784 Political and Economic Inequality in Comparative Perspective 3 hrs
- DSC 4012 Terrorism 3 hrs
- EUH 3242 Modern Europe and the First World War 3 hrs
- EUH 3281 Second World War and Rebirth of Europe 3 hrs
- EUH 4284 Fascism and Nazism in the Interval 3 hrs
- EHU 4663 History of Communism in Europe 3 hrs
- INR 3263 International Politics of Africa 3 hrs
- INR 4008 Global Perspectives 3 hrs
- INR 4011 Politics of Globalization 3 hrs
- INR 4030 Diplomacy 3 hrs
- INR 4054 Global Politics of Energy 3 hrs
- INR 4060 Causes of War 3 hrs
- INR 4063 The Cold War 3 hrs
- INR 4075 Human Rights Policy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4084 Politics of International Terrorism 3 hrs
- INR 4102 American Foreign Policy 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy 3 hrs
- INR 4114 American Security Policy 3 hrs
- INR 4115 Strategic Weapons and Arms Control 3 hrs
- INR 4224 Contemporary International Politics of Asia 3 hrs
- INR 4225 The Vietnam War 3 hrs
- INR 4243 International Politics of Latin America 3 hrs
- INR 4274 International Politics of the Middle East 3 hrs
- INR 4304 Issues in International Public Policy 3 hrs
- INR 4335 Coercion in International Politics 3 hrs
- INR 4363 Intelligence Analysis and Reporting 3 hrs
- INR 4364 The Intelligence Community 3 hrs
- INR 4502 International Organizations 3 hrs
- INR 4744 Militaries in World Politics 3 hrs
- INR 4764 Cyberwarfare Policy 3 hrs

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 521
http://mill.cah.ucf.edu/
Dr. Charlotte Trinquet, Charlotte.TrinquetDuLys@ucf.edu

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
- FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 3420 French Composition 3 hrs

Restricted Electives (18 hrs)
■ Courses used in the minor must be taken in at least three departments. Select from the following list:
  - AMH 3422 Frontier Florida 3 hrs
  - AMH 3425 Sunbelt Florida 3 hrs
  - AMH 4376 U.S. Space History 3 hrs
  - AML 4261 Literature of the South 3 hrs
  - AML 4265 Florida Writers 3 hrs
  - ANT 3158 Florida Archaeology 3 hrs
  - ANT 3393 American Indian Literature and Culture in Florida 3 hrs
  - AMH 3483 History of Florida Indians 3 hrs
  - ANT 3396 Black/Semino Indian Relations 3 hrs
  - ANT 4303 Anthropology of Tourism 3 hrs
  - ARH 3683 Southern Folk Arts 3 hrs
  - ANT 4303 Anthropology of Tourism 3 hrs
  - LAH 4136 Colonial Florida 3 hrs
  - POS 3173 Southern Politics 3 hrs
  - POS 3182 Florida Politics 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ At least 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.
■ No more than 3 credit hours may overlap with any other major or minor.

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 521
http://mill.cah.ucf.edu/
Dr. Charlotte Trinquet, Charlotte.TrinquetDuLys@ucf.edu

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
- FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 3420 French Composition 3 hrs

Restricted Electives (18 hrs)
■ Courses used in the minor must be taken in at least three departments. Select from the following list:
  - AMH 3422 Frontier Florida 3 hrs
  - AMH 3425 Sunbelt Florida 3 hrs
  - AMH 4376 U.S. Space History 3 hrs
  - AML 4261 Literature of the South 3 hrs
  - AML 4265 Florida Writers 3 hrs
  - ANT 3158 Florida Archaeology 3 hrs
  - ANT 3393 American Indian Literature and Culture in Florida 3 hrs
  - AMH 3483 History of Florida Indians 3 hrs
  - ANT 3396 Black/Semino Indian Relations 3 hrs
  - ANT 4303 Anthropology of Tourism 3 hrs
  - ARH 3683 Southern Folk Arts 3 hrs
  - ANT 4303 Anthropology of Tourism 3 hrs
  - LAH 4136 Colonial Florida 3 hrs
  - POS 3173 Southern Politics 3 hrs
  - POS 3182 Florida Politics 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ At least 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.
■ No more than 3 credit hours may overlap with any other major or minor.

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 521
http://mill.cah.ucf.edu/
Dr. Charlotte Trinquet, Charlotte.TrinquetDuLys@ucf.edu

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
- FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 3420 French Composition 3 hrs

Restricted Electives (18 hrs)
■ Courses used in the minor must be taken in at least three departments. Select from the following list:
  - AMH 3422 Frontier Florida 3 hrs
  - AMH 3425 Sunbelt Florida 3 hrs
  - AMH 4376 U.S. Space History 3 hrs
  - AML 4261 Literature of the South 3 hrs
  - AML 4265 Florida Writers 3 hrs
  - ANT 3158 Florida Archaeology 3 hrs
  - ANT 3393 American Indian Literature and Culture in Florida 3 hrs
  - AMH 3483 History of Florida Indians 3 hrs
  - ANT 3396 Black/Semino Indian Relations 3 hrs
  - ANT 4303 Anthropology of Tourism 3 hrs
  - ARH 3683 Southern Folk Arts 3 hrs
  - ANT 4303 Anthropology of Tourism 3 hrs
  - LAH 4136 Colonial Florida 3 hrs
  - POS 3173 Southern Politics 3 hrs
  - POS 3182 Florida Politics 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ At least 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.
■ No more than 3 credit hours may overlap with any other major or minor.
Minors

INR 4774  Military Space Policy  3 hrs
LAH 3200  Modern Latin America  3 hrs
PLA 4583  Cyber Law I  3 hrs
POT 4632  Religion and Politics  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, and substitute courses/new courses are allowed at the director’s discretion limited to a maximum of 3 credit hours.

Global Sociology - Minor
College of Sciences
Department of Sociology, HPH, Room: 403
http://sociology.ucf.edu
Email: sociology@ucf.edu
Dr. Amy Donley, amy.donley@ucf.edu, 407-823-1357

The Global Sociology minor focuses on social problems from a global perspective. The minor facilitates an understanding of international social problems and prepares students for careers and graduate school in related fields. Students will take half the required courses in the United States and the other half abroad.

Admission Requirements
■ The minor is not open to Sociology majors.

Minor Requirements
■ Students participating in this minor must enroll in an appropriate study abroad for 9 credit hours.
■ Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted.
■ No more than 3 hours of Independent Study credit can be used toward the minor.

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

Required Courses (15 hrs)
Select 1:
SYG 2000  Introduction to Sociology or 3 hrs
SYG 2010  Social Problems  3 hrs

Required Upper Division Courses: 10 hrs
Sociology or other relevant courses taken through study abroad and SYA 3905 Directed Independent Study 1 hr

Restricted Electives (3 hrs)
Select 1:
ANT 3701  Engagement & Social Change: Public Anthropology or 3 hrs
ANT 4702  Culture, Inequality and Global Development or 3 hrs
INR 3016  Global Political Issues or 3 hrs
INR 4008  Global Perspectives or 3 hrs
INR 4011  Politics of Globalization or 3 hrs
INR 4035  International Political Economy or 3 hrs
INR 4054  Global Politics of Energy or 3 hrs
SOW 3284  Social Work Perspectives on Social Justice or 3 hrs
SYA 4650C  Community Action and Involvement or 3 hrs
SYD 3410  Urban Society or 3 hrs
SYO 4312  Global Family Trends or 3 hrs
SYO 4323  Community and Diversity or 3 hrs
SYP 3400  Social Change or 3 hrs
SYP 4004  Constructing Social Issues or 3 hrs
SYP 4454  Global Inequality and Society  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ SYA 3905 must be taken during the semester of study abroad.

Health Informatics and Information Management - Minor
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
Dr. Alice Noblin, alice.noblin@ucf.edu, 407-823-2353

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (20 hrs)
HIM 3006  Foundations of Health Information Management (HIM) 3 hrs
HIM 4508C Quality Management 3 hrs
HIM 4656C Health Information Management Systems 3 hrs
HSC 3537 Medical Terminology 3 hrs
HIM 4226C Coding Procedures I 5 hrs
HIM 4256C Coding Procedures II 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 20

Other Requirements
■ A minimum overall GPA of 2.5 is required. A minimum grade of “C” (2.0) is required in each course for the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by examination (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor without departmental approval.

Health Sciences - Minor
College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs I, Room: 267
L. Timothy Worrell, 407-823-5236

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ Some courses below may have additional prerequisite courses required.

Required Courses (9 hrs)
HUN 2201  Fundamentals of Human Nutrition 3 hrs
HSC 3110  Medical Self Assessment 3 hrs
HSC 3111 Preventive Health Care 3 hrs

1 PCB 3703C is a prerequisite for this course.
### Minors

#### Restricted Electives (9 hrs)
- HSC 3147 Introduction to Pharmacology 3 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 4558 Pathophysiology II 3 hrs
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- HSC 3432 Occupational Safety for the Health Care Professional 3 hrs
- HSC 4572 Clinical Nutrition 3 hrs
- HSC 4730 Applied Health Research Methodology 3 hrs
- HSC 4008 Professional Development in Health Professions 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- ATR 3203C Upper Extremity Function and Measurement 3 hrs
- ATR 3204C Lower Extremity Function and Measurement 3 hrs
- ATR 3312C Injury, Management, and Rehabilitation 3 hrs
- PET 4606 Applied Fitness in Sport 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 3593 HIV Disease: A Human Concern 3 hrs

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### 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,
Health and Public Affairs II, Room: 210
Email: hsainfo@ucf.edu
Dr. Mark Bush, DHA, MBA; Undergraduate Program Director, hsainfo@ucf.edu
Phone: 407-823-2359

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (15 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Fundamentals of Health Information Technology 3 hrs
- HSC 4500 Epidemiology 3 hrs

#### Restricted Electives (3 hrs)
- Additional prerequisite courses may be required

#### Required Courses (15 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Fundamentals of Health Information Technology 3 hrs
- HSC 4500 Epidemiology 3 hrs

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### 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 courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor’s approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

### History - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Phone: 407-823-2225

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses
- None

#### Required Courses (18 hrs)
- 18 hours of AFH, AMH, ASH, EUH, HIS, LAH and/or WOH courses offered by the History department. A minimum of 12 hours must be taken at the upper level.

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor’s approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

### Hospitality Management - Minor
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Kevin S. Murphy, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Not available to majors within the Rosen College of Hospitality Management.

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (18 hrs)
- Take all of the following: 6 hrs
  - HFT 1000 Introduction to the Hospitality and Tourism Industry and
  - HFT 3540 Guest Services Management I 3 hrs
### Human Communication - Minor

**College of Sciences**

Nicholson School of Communication, NSC, Room: 143

[http://communication.cos.ucf.edu](http://communication.cos.ucf.edu)

Nicholson Academic Student Services, nassc@ucf.edu

Phone: 407-823-2681

### Minor Admission Requirements
- Not open to Ad-PR, Communication & Conflict, Human Communication, Journalism, or Radio-TV majors.

### Minor Requirements
- None

#### Prerequisite Courses
- Students must satisfy course prerequisites before enrolling.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 301C Communication and Human Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3120 Organizational Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 3301 Interpersonal Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 3311 Communication Research Methods</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives
- 9 hrs

<table>
<thead>
<tr>
<th>Select from the following courses:</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3013 Communication and the Family</td>
</tr>
<tr>
<td>COM 3022 Health Communication</td>
</tr>
<tr>
<td>COM 3110 Business and Professional Communication</td>
</tr>
<tr>
<td>COM 3332 Communication, Technology, and Change</td>
</tr>
<tr>
<td>COM 3406 Role of Motivation in Communication</td>
</tr>
<tr>
<td>COM 4014 Gender Issues in Communication</td>
</tr>
<tr>
<td>COM 4416 Terrorism and Communication</td>
</tr>
<tr>
<td>COM 4461 Intercultural Communication</td>
</tr>
<tr>
<td>COM 4462 Conflict Management</td>
</tr>
<tr>
<td>SPC 3445 Leadership Through Oral Communication</td>
</tr>
<tr>
<td>SPC 3513C Argumentation and Debate</td>
</tr>
<tr>
<td>SPC 4331 Nonverbal Communication</td>
</tr>
</tbody>
</table>

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### Human Services - Minor

**College of Education and Human Performance**

Department of Child, Family and Community Sciences, Education Complex, Room: 322

[http://education.ucf.edu/counselored/](http://education.ucf.edu/counselored/)

Dr. J. Richelle Joe, jacqueline.joe@ucf.edu, 407-823-4752

The Human Services minor is intended to provide students with an introduction to the human services profession and develop skills and knowledge associated with this field. The courses required for this minor help students acquire basic competencies such as communication, counseling and helping skills, knowledge of human services theory and awareness of the impact of race, gender, ethnicity, family, spirituality, government, education and social systems on the delivery of human services. Students in the 2015 catalog year and beyond may declare this minor.

### Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.

### Minor Requirements
- Students should see an advisor prior to registering for classes.
- At least 12 hours in the minor must be earned at UCF.
- Students must earn a grade of “C” or better in all courses required for the minor.
- Must maintain a minimum overall MINOR GPA of 2.5.

#### Prerequisite Courses
- None

<table>
<thead>
<tr>
<th>Required Courses (15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHS 2090 Introduction to Human Services</td>
</tr>
<tr>
<td>MHS 2330 Career Planning</td>
</tr>
<tr>
<td>MHS 2441 Couples, Families and Intimate Relationships</td>
</tr>
<tr>
<td>MHS 3052 Helping Skills for Human Service Providers</td>
</tr>
<tr>
<td>MHS 3426 Diversity Issues in Human Services</td>
</tr>
</tbody>
</table>

#### Restricted Electives (3 hrs)
- Three semester hours of a restricted elective with PSY, SOW, DEP, EEC or EEX prefix (selected with advisor’s approval).

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- No credit by exam (CLEP, Military Credit) may be used.
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit can be used toward this minor with prior approval.

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### Selected Electives

- Select from the following courses:
  - MHS 2441 Couples, Families and Intimate Relationships
  - MHS 3052 Helping Skills for Human Service Providers
  - MHS 3426 Diversity Issues in Human Services
  - SPC 3445 Leadership Through Oral Communication
  - SPC 3513C Argumentation and Debate
  - SPC 4331 Nonverbal Communication

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**UNIVERSITY OF CENTRAL FLORIDA**

405 Undergraduate Catalog 2017-2018
Minors

Humanities and Cultural Studies - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Phone: 407-823-2273

The Humanities and Cultural Studies minor is a rigorous study of the artistic and intellectual practices and products of human culture in the contemporary world and in the past, across world cultures.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
HUM 2020  Encountering the Humanities  3 hrs
HUM 2025  Humanities Foundations  6 hrs
Select 2:  6 hrs
HUM 3431  Ancient Humanities or  3 hrs
HUM 3435  Medieval Humanities or  3 hrs
HUM 3255  Modern Humanities or  3 hrs
HUM 3252  Contemporary Humanities  3 hrs
Theories and Methods  3 hrs
Select 1:  3 hrs
HUM 3805  Critical Theory in the Humanities or  3 hrs
HUM 3830  Introduction to Digital Humanities or  3 hrs
HUM 3326  Theories of Sex and Gender in Humanities or  3 hrs
HUM 4330  Performance Theory or  3 hrs
HUM 4823  Queer Theory in the Humanities or  3 hrs
HUM 4826  Postcolonial Theory or  3 hrs
HUM 3800  Research Methods in Humanities  3 hrs
Cultural Traditions  3 hrs
Select 1:  3 hrs
HUM 3401  Asian Humanities or  3 hrs
HUM 3423  African Humanities or  3 hrs
HUM 3460  Latin American Humanities or  3 hrs
HUM 4459  American Cultural Studies in Humanities  3 hrs
Topics in Cultural Studies  3 hrs
Select 1:  3 hrs
HUM 4931  Key Figures in the Humanities & Cultural Studies or  3 hrs
HUM 4934  Key Concepts in Humanities & Cultural Studies  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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.

Information Technology - Minor
College of Engineering and Computer Science
Department of Computer Science,
Harris Corp. Engineering Center, Room: 346
http://www.cs.ucf.edu
Dr. Mark Llewellyn, Markl@cs.ucf.edu
Phone: 407-823-2790

Minor Admission Requirements
- Not open to Information Technology majors, Computer Science majors or Computer Engineering majors.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
Select one (1) of the following courses:
- COP 3223C  Introduction to Programming with C  3 hrs
- CGS 2545C  Database Concepts  3 hrs
- CGS 3269  Computer Architecture Concepts  3 hrs
- CGS 3763  Operating System Concepts  3 hrs
- CIS 3003  Fundamentals of Information Technology  3 hrs

Restricted Electives (3 hrs)
Select any one (1) additional course taught by CS/IT at UCF that counts toward the IT major. Requisites must be met to access elective courses.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Not open to Information Technology majors, Computer Science majors, or Computer Engineering majors.
- A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within the Computer Science or Information Technology 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.

Intelligence and National Security - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
Email: politics@mail.ucf.edu
Dr. Mark Schafer, 407-823-3328

This minor introduces students to the fundamentals of intelligence and national security, and it allows for students to specialize in one or more different areas that are appropriate for a career in these fields. This minor will be helpful for students majoring in any field who are interested in careers in intelligence and national security, and particularly for students in Political Science, International and Global Studies, and Criminal Justice.

The minor in Intelligence and National Security consists of 18 credit hours at the undergraduate level, including two required core courses and four electives.

Admission Requirements
- None
Minors

Minor Requirements
- A grade of "C" (2.0) or better for all classes is required in courses counting towards the minor.
- At least 15 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director's discretion (for a maximum of 3 credit hours).
- No more than 3 credit hours may overlap with any other major or minor.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (6 hrs)
- INR 2002 International Relations-Theory and Practice 3 hrs
- INR 4364 The Intelligence Community 3 hrs

Restricted Electives (12 hrs)
Select four courses from the following list:
- CCJ 4076 Crime Intelligence and Investigative Support Analysis 3 hrs
- CCJ 4641 Organized Crime 3 hrs
- CCJ 4644 White Collar Crime 3 hrs
- CCJ 4651 Drugs and Crime 3 hrs
- CJT 3803 Security Management 3 hrs
- CJT 3821 Practical Security Applications 3 hrs
- COM 4416 Terrorism and Communication 3 hrs
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3057 Contemporary Revolution and Political Violence 3 hrs
- CPO 3403 Politics of the Middle East 3 hrs
- CPO 3614 Politics of Eastern Europe 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs
- CPO 4514 Politics of East Asia 3 hrs
- CPO 4541 Chinese Politics 3 hrs
- CPO 4643 Government and Politics of Russia 3 hrs
- DSC 4012 Terrorism 3 hrs
- DSC 4013 Homeland Security and Criminal Justice 3 hrs
- INR 3250 Politics of Pan-Africanism 3 hrs
- INR 3253 International Politics of Africa 3 hrs
- INR 4060 Causes of War 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4084 Politics of International Terrorism 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy 3 hrs
- INR 4114 American Security Policy 3 hrs
- INR 4115 Strategic Weapons and Arms Control 3 hrs
- INR 4243 International Politics of Latin America 3 hrs
- INR 4224 Contemporary International Politics of Asia 3 hrs
- INR 4274 International Politics of the Middle East 3 hrs
- INR 4335 Coercion in International Politics 3 hrs
- INR 4363 Intelligence Analysis and Reporting 3 hrs
- INR 4474 Militaries in World Politics 3 hrs
- INR 4764 Cyberwarfare Policy 3 hrs
- POS 4206 Political Psychology 3 hrs
- SYP 3511 Sociology of Murder 3 hrs
- SYP 3520 Criminology 3 hrs
- SYP 4521 Crime Victims in Society 3 hrs
- SYP 4550 Patterns of Drug Abuse in Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

International and Global Studies - Minor
College of Sciences

Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu/
Email: politics@ucf.edu
Dr. Paul Vasquez
Phone: 407-823-2608
Minors

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
  - 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used in the minor must be earned at UCF within the department.

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

Required Courses (6 hrs)
- GEO 3471 World Political Geography 3 hrs
- INR 4008 Global Perspectives 3 hrs

Restricted Electives (15 hrs)
- Substitutions require prior approval by the program advisor.

A. Political Science:

Select courses from this grouping: 6 hrs
- INR 3018 Global Political Issues or 3 hrs
- INR 3250 Politics of Pan-Africanism or 3 hrs
- INR 3253 International Politics of Africa or 3 hrs
- INR 4011 Politics of Globalization or 3 hrs
- INR 4030 Diplomacy or 3 hrs
- INR 4035 International Political Economy or 3 hrs
- INR 4054 Global Politics of Energy or 3 hrs
- INR 4060 Causes of War or 3 hrs
- INR 4063 The Cold War or 3 hrs
- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4084 Politics of International Terrorism or 3 hrs
- INR 4085 Women, Gender, and Globalization or 3 hrs
- INR 4102 American Foreign Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4115 Strategic Weapons and Arms Control or 3 hrs
- INR 4224 Contemporary International Politics of Asia or 3 hrs
- INR 4225 The Vietnam War or 3 hrs
- INR 4243 International Politics of Latin America or 3 hrs
- INR 4274 International Politics of the Middle East or 3 hrs
- INR 4304 Issues in International Public Policy or 3 hrs
- INR 4335 Coercion in International Politics or 3 hrs
- INR 4350 Global Environmental Politics or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- INR 4363 Intelligence Analysis and Reporting or 3 hrs
- INR 4364 The Intelligence Community or 3 hrs
- INR 4401 International Law or 3 hrs
- INR 4404 Space Law or 3 hrs
- INR 4502 International Organizations or 3 hrs
- INR 4603 International Relations Theory or 3 hrs
- INR 4714 Politics of International Trade Policy or 3 hrs
- INR 4744 Militaries in World Politics or 3 hrs
- INR 4764 Cyberwarfare Policy or 3 hrs
- INR 4765 Emerging Space Powers or 3 hrs
- INR 4774 Military Space Policy or 3 hrs

B. Area Studies: 6 hrs
- Two upper division courses from one of the following area studies programs: Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies, Russian Studies
- Courses may not have a prefix of INR, CPO, POT, POS or PUP.

C. Other:
Select one course from this grouping: 3 hrs
- CPO 3034 Politics of Developing Areas or 3 hrs
- CPO 3057 Contemporary Revolution and Political Violence or 3 hrs
- CPO 3103 Comparative Politics or 3 hrs
- CPO 3104 Politics of Western Europe or 3 hrs
- CPO 3132 Canadian Politics or 3 hrs
- CPO 3403 Politics of the Middle East or 3 hrs
- CPO 3614 Politics of Eastern Europe or 3 hrs
- CPO 4062 Comparative Judicial Process or 3 hrs
- CPO 4074 Political Economy or 3 hrs
- CPO 4101 Politics of the European Union or 3 hrs
- CPO 4123 Government and Politics of Great Britain or 3 hrs
- CPO 4303 Comparative Latin American Politics or 3 hrs
- CPO 4445 Comparative Political Parties or 3 hrs
- CPO 4514 Politics of East Asia or 3 hrs
- CPO 4541 Chinese Politics or 3 hrs
- CPO 4553 Politics of Japan or 3 hrs
- CPO 4643 Government and Politics of Russia or 3 hrs
- CPO 4710 Women in Comparative Politics or 3 hrs
- CPO 4731 Politics of Democratization or 3 hrs
- CPO 4754 Comparative Political Institutions or 3 hrs
- CPO 4764 Political and Economic Inequality in Comparative Perspective

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

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental approval.

International Business - Minor
College of Business Administration
Office of Professional Development,
Business Administration II, Room: 101
http://business.ucf.edu/study-abroad/
Holly Bouma, Holly.Bouma@ucf.edu, 407-823-5833

Minor for Business Majors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- GEB 3375 Introduction to International Business 3 hrs

Select 12 to 15 hours of Study Abroad 12 hrs
- GEB 3955 Study Abroad or 3 hrs
- GEB 4955 Study Abroad

Restricted Electives (3 hrs)
- Select the course below only if less than 15 hours of Study Abroad completed
- GEB 4374 International Negotiations and Transactions 3 hrs
Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Lower division courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses taken as part of a UCF College of Business exchange program, will be reviewed for appropriateness by the College of Business Study Abroad Director. Additional information may be required by the Study Abroad Director to determine the appropriateness of the course taken.
- Courses transferred into the College of Business from a foreign institution, that are not part of a College of Business exchange program, 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 coursework registered through UCF College of Business Study Abroad.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

International Engineering - Minor

College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027
CECS Academic Affairs Office, 407-823-2455

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
- Admission by interview with the Program Coordinator
- A minimum UCF cumulative GPA of 2.75 is required to enter the minor.

Minor Requirements
- None

Prerequisite Courses
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Required Courses (18 hrs)
- The International minor in Engineering or Computer Science is composed of three parts:
  - Language Skill Acquisition 6 hrs
    - It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below.
  - Coursework in society/culture international relations, or global economics related to the country/region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:
    - Option 1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available
    - Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.
  - Language coursework must relate to the study abroad experience. This can be done in one of two ways, in decreasing order of preference:
    - Option 1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available
    - Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

Study Abroad Experience 9 hrs
- The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad.

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 where English is widely spoken.
- For International Engineering Exchange Programs that include class instruction in a language other than English, students must show advanced proficiency in that language either through a sufficient score on the Foreign Language Proficiency Exam to demonstrate fluency in the language and/or through satisfying any language proficiency requirements specified by the host institution. If the student does not demonstrate advanced proficiency in the local language of instruction, he/she must spend at least one academic year abroad with the first semester or more devoted to language study and another semester to Engineering/Computer Science coursework.
- 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, appropriate to the region of study, at UCF in lieu of the foreign language credits. This alternative international coursework will consist of two of the following courses (or an equivalent(s) approved by the program coordinator):
  - ANT 3212 Peoples of the World 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 4332 People and Cultures of Latin America 3 hrs
  - ANT 3610 Language and Culture 3 hrs
  - ASH 4404 Modern China 3 hrs
  - ASH 4442 Modern Japan 3 hrs
  - COM 4461 Intercultural Communication 3 hrs
  - CPO 3004 Politics of Developing Areas 3 hrs
  - CPO 3103 Comparative Politics 3 hrs
  - CPO 3104 Politics of Western Europe 3 hrs
  - CPO 4101 Politics of the European Union 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - CPO 4543 Government and Politics of Russia 3 hrs
  - GEO 3471 World Political Geography 3 hrs
  - REL 3333 Hinduism 3 hrs
  - REL 3363 Islam 3 hrs
  - IDS 3333 World Comparative Studies 3 hrs
  - INR 4035 International Political Economy 3 hrs
  - INR 4102 American Foreign Policy 3 hrs
  - INR 4224 Contemporary International Politics of Asia 3 hrs
  - INR 4243 International Politics of Latin America 3 hrs
  - INR 4401 International Law 3 hrs

Cultural Coursework 3 hrs
- It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:
  - Option 1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available
  - Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.
Minors

Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

**Restricted Electives**
- None

**Foreign Language Requirements**
- See Language Skills Acquisition

**Total Semester Hours Required**
- 18

**Other Requirements**
- A minimum grade of “C” (2.0) or better is required in all courses toward the minor.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

**Italian - Minor**

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 522**


Dr. Chiara Mazzucchelli, chiara.mazzucchelli@ucf.edu

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITA 3420</td>
<td>Italian Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ITA 3790</td>
<td>Advanced Italian Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

**Restricted Electives** (12 hrs)

- Select from the following:
  - JOU 3301 Journalism Readings 3 hrs
  - JOU 3015 Principles of Journalism 3 hrs
  - JOU 3510 Magazine Publishing 3 hrs
  - JOU 4700 Journalism Ethics 3 hrs
  - MMC 2004 Mass Media 3 hrs
  - MMC 3200 Mass Communication Law 3 hrs
  - MMC 4300 International Media 3 hrs
  - VIC 3001 Visual Communication 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- 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.

**Journalism Studies - Minor**

**College of Sciences**

**Nicholson School of Communication, NSC, Room: 143**

[http://communication.cos.ucf.edu](http://communication.cos.ucf.edu)

Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu, 407-823-2891

The Journalism Studies minor is well suited for students who seek to better understand the role journalism plays in society as well as the forces that shape journalism. A key component of this minor is media literacy, which is the ability to thoughtfully analyze messages disseminated through the news media.

**Minor Admission Requirements**
- Not open to Ad-PR, Journalism, or Radio-TV majors

**Minor Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy minor.
- Grades below a “C” (2.0) are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 3004</td>
<td>History of American Journalism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives** (15 hrs)

- Select from the following:
  - JOU 3301 Journalism Readings 3 hrs
  - JOU 3015 Principles of Journalism 3 hrs
  - JOU 3510 Magazine Publishing 3 hrs
  - JOU 4700 Journalism Ethics 3 hrs
  - MMC 2004 Mass Media 3 hrs
  - MMC 3200 Mass Communication Law 3 hrs
  - MMC 4300 International Media 3 hrs
  - VIC 3001 Visual Communication 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

**Judaic Studies - Minor**

**College of Arts and Humanities**

**Program in Judaic Studies, Colbourn Hall, Room: 415 E-J**

[http://www.judaicstudies.cah.ucf.edu](http://www.judaicstudies.cah.ucf.edu)

Email: judaicst@ucf.edu

Dr. Kenneth Hanson, kenneth.hanson@ucf.edu, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and the Interdisciplinary Studies, Women’s Studies, Religious Studies, and Middle Eastern Studies programs. Interested students are encouraged to meet with the program director. Students minoring in Judaic Studies should take 6 HBR or JST courses, for a total of 18-20 credit hours.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None
Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- Choose 6 Restricted Electives courses.

Jewish History
- JST 3401 Jewish People in Antiquity 3 hrs
- JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
- JST 3415 American Jewish History 3 hrs
- JST 3481 20th Century Jewish History and Thought 3 hrs
- JST 3701 History of the Holocaust 3 hrs
- JST 3417 Sephardi Jews: History, Culture, and Folklore 3 hrs

Bible
- JST 3120 Hebrew Scriptures 3 hrs
- JST 3125 The Book of Job 3 hrs
- JST 3126 Romantic Love in the Bible 3 hrs
- JST 3144 Dead Sea Scrolls 3 hrs
- JST 3190 The Biblical Prophets 3 hrs
- JST 3424 Biblical Archaeology 3 hrs

Literature
- JST 3100 The Hebrew Bible as Literature 3 hrs
- JST 3312 Identity and Genre 3 hrs
- JST 3751 Literature of the Holocaust 3 hrs
- JST 3803 The Israeli Experience in Short Stories 3 hrs

Jewish Civilization
- JST 3005 Tenets of Judaism 3 hrs
- JST 3121 Classic Texts of Judaism 3 hrs
- JST 3210 Kabbalah: Jewish Mysticism 3 hrs
- JST 3620 Contemporary Jewish Ethics and Morality 3 hrs

Culture
- JST 3450 Modern Jewish Experience 3 hrs
- JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
- JST 3820 Modern Israeli Culture 3 hrs
- JST 3551 The Holy and the Profane: The Introduction of Secularism into Modern Judaism 3 hrs
- JST 3550 Introduction of Modernism into Judaism 3 hrs
- JST 3821 Israel: Start-Up Nation 3 hrs

Language
- HBR 1120 Modern Israeli Hebrew I 3 hrs
- HBR 1121 Modern Israeli Hebrew II 3 hrs
- HBR 2200 Intermediate Modern Israeli Hebrew I 3 hrs
- HBR 2201 Intermediate Modern Israeli Hebrew II 3 hrs
- HBR 3250 Biblical Hebrew 3 hrs
- HBR 3410 Conversational Hebrew 3 hrs

Other courses, including special topics, with the approval of the Director.

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Requirement for minor is 18-20 credits.

Latin American Area Studies - Minor

College of Arts and Humanities

Latin American Studies, Colbourn Hall, Room: 122
http://las.cah.ucf.edu/
Director: Dr. Consuelo Stebbins, stebbins@ucf.edu
Advisor: Donna Mercado, Donna.Mercado@ucf.edu
Phone: 407-823-1173

Minors

The minor provides students with an interdisciplinary knowledge of and the necessary tools to understand Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to education, government, journalism, foreign service, social and community service, international trade, and public relations.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- LAS 3002 Topics in Latin American Studies 3 hrs
- LAS 3101 Latin American Popular Culture 3 hrs
- LAS 4023 African Caribbean Experience 3 hrs

Restricted Electives (9 hrs)
- Select a total of nine (9) hours. Additional courses not listed below may substitute with prior approval from the Program Director.
- Students may not use more than six (6) credit hours of course work within same department.
- No more than six (6) credit hours of overlap between the major program and LAS minor.

Anthropology
- ANT 3164 Ancient Incas 3 hrs
- ANT 3168 Maya Archaeology 3 hrs
- ANT 4332 People and Cultures of Latin America 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ANT 3160 Americas Before Columbus 3 hrs
- ANT 3161 Ancient Mexico: Aztec to Zapotec 3 hrs
- ANT 3163 Mesoamerican Archaeology 3 hrs
- ANT 3165 Archaeology of South America 3 hrs
- ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs
- ANT 3330 Anthropology of the Amazon 3 hrs
- ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
- ANT 3177 Archaeology of Caribbean Piracy 3 hrs

Art
- ARH 4653 Meso American Art 3 hrs
- ARH 3670 20th Century Latin American Art 3 hrs
- ARH 3674 Latin American Popular Visual Culture 3 hrs

Modern Languages and Literature
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- FRW 3770 Francophone Literature 3 hrs
- SPW 3130 Survey of Latin-American Literature I 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs
- SPW 3752 French Caribbean Literature 3 hrs
- SPW 4362 Central American Literature 3 hrs
- SPN 4852 Bilingualism 3 hrs
- SPW 4730 Hispanic Literature of the United States 3 hrs
- SPW 4780 Spanish Phonetics 3 hrs
- POR 2200 Intermediate Portuguese I 3 hrs
- POR 3140 Accelerated Portuguese for Speakers of Romance Languages 3 hrs
- POR 3450 Luso-Afro-Brazilian Triangle 3 hrs

History
- LAH 3130 Latin American History I 3 hrs
- LAH 3200 Modern Latin America 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- AMH 3586 History of Latinos in the U.S. 3 hrs
- LAH 4136 Colonial Florida 3 hrs
- LAH 4512 Modern Argentina 3 hrs
- LAH 4461 History of Puerto Rico 3 hrs
- LAH 4480 History of Cuba 3 hrs
- LAH 4780 Poverty and Development in Latin America 3 hrs
- LAH 3200 Modern Latin America 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Minors

### Latin American Studies
- **GEA 3455** Geography of Brazil 3 hrs
- **GEO 4405** Geography of Latin America 3 hrs
- **GEO 3403** Human Geography of Latin America 3 hrs
- **GEO 3404** Migration Trends in Latin America 3 hrs
- **LAS 3220** Brazilian Culture 3 hrs
- **LAS 3949** Cooperative Education 3 hrs
- **LAS 4555** Study Abroad 3 hrs

### Political Science
- **CPO 4303** Comparative Latin American Politics 3 hrs
- **CPO 3034** Politics of Developing Areas 3 hrs
- **CPO 3103** Comparative Politics 3 hrs
- **CPO 4074** Political Economy 3 hrs
- **CPO 4794** Indigenous Politics and the Environment 3 hrs
- **INR 4076** Immigration Policy 3 hrs
- **INR 4243** International Politics of Latin America 3 hrs
- **POS 4074** Latino Politics 3 hrs
- **PUP 3314** Minorities in American Politics 3 hrs

### English
- **AML 3615** Harlem, Haiti, and Havana 3 hrs
- **AML 4630** Latin/Latina Literature 3 hrs
- **AML 3682** Ethnic Literature in America 3 hrs
- **LIT 3192** Caribbean Literature 3 hrs
- **LIT 3381** Women Writers of Color 3 hrs
- **LIT 3823** Hispanic Women Writers 3 hrs
- **LIT 3588** Magical Realism in Literature 3 hrs

### Humanities
- **HUM 3460** Latin American Humanities 3 hrs

### Communication
- **MMC 4303** Hispanics in Media in the US 3 hrs
- **JOU 3951** Knightly Latino: Spanish Language News 3 hrs

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

### Leadership Studies - Minor

**College of Undergraduate Studies**

**Office of Interdisciplinary Studies,**

**Classroom I, Room: 302**

[http://www.is.ucf.edu](http://www.is.ucf.edu)

**Email: is@ucf.edu**

**Phone: 407-823-0144**

The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

### Minor Admission Requirements
- None
- Minor Requirements
- None
- Prerequisite Courses
- None

### Required Courses (19 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDR 2001</td>
<td>Foundations of Leadership</td>
<td>2 hrs</td>
</tr>
<tr>
<td>LDR 2002</td>
<td>Intermediate Foundations of Leadership</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

### Restricted Requirements (15 hrs)
- Choose one course from each of the five areas:
  - **Communication**
    - **COM 3011C** Communication and Human Relations or 3 hrs
    - **COM 3120** Organizational Communication or 3 hrs
    - **COM 4461** Intercultural Communication or 3 hrs
    - **COM 4462** Conflict Management or 3 hrs
    - **ENC 3250** Professional Writing or 3 hrs
    - **SPC 3445** Leadership Through Oral Communication or 3 hrs
  - **Collaboration**
    - **INP 3004** Industrial/Organizational Psychology or 3 hrs
    - **INP 4313** Organizational Psychology or 3 hrs
    - **MAN 4240** Organizations: Theory and Behavior or 3 hrs
    - **MAN 3025** Management of Organizations or 3 hrs
    - **SPC 4426** Group Dynamics or 3 hrs
  - **Politics**
    - **PAD 3003** Public Administration in American Society or 3 hrs
    - **PAD 4104** Administrative Theory or 3 hrs
    - **PAD 4144** Nonprofit Organizations or 3 hrs
    - **PFA 4754** Interdisciplinary Leadership in Public Affairs or 3 hrs
    - **POS 4136** The American Presidency or 3 hrs
    - **POS 4206** Political Psychology or 3 hrs
    - **PUP 3325** Women and Political Behavior or 3 hrs
    - **SYO 4300** Political Sociology or 3 hrs
  - **Social Relations and Culture**
    - **ANT 3541** Biobehavioral Anthropology or 3 hrs
    - **CLP 3143** Abnormal Psychology or 3 hrs
    - **COM 4461** Intercultural Communication or 3 hrs
    - **EXP 3304** Motivation and Emotion or 3 hrs
    - **SOP 3004** Social Psychology or 3 hrs
    - **SOP 3723** Cross Cultural Psychology or 3 hrs
    - **SOP 3742** Psychology of Women or 3 hrs
    - **SOP 3784** Psychology of Diversity or 3 hrs
  - **Ethics**
    - **BUL 3130** Legal and Ethical Environment of Business or 3 hrs
    - **EDF 3601** Professional Ethics in Education or 3 hrs
    - **PAD 3040** Ethics and Values in Public Administration or 3 hrs
    - **PHI 2108** Critical Thinking or 3 hrs
    - **PHI 3638** Ethical Issues in the 21st Century or 3 hrs
    - **PHI 3640** Environmental Ethics or 3 hrs

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 19

### 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 may be used.
- Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.
Minors

Legal Studies - Minor
College of Health and Public Affairs
Department of Legal Studies,
Health and Public Affairs I, Room: 343
https://www.coehpa.ucf.edu/legalstudies/

Email: legalstudies@ucf.edu
Dr. Margarita Koblasz, Program Coordinator, margarita.koblasz@ucf.edu
Mr. Rupert Neish II, Program Academic Advisor, rupert.neish@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ (3 hrs)
PLA 3014 Law and the Legal System 3 hrs

Restricted Electives
■ (18 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

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A minimum grade of "C" (2.0) is required in each course to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the Department of Legal Studies.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor without school permission.

Magazine Journalism - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

Email: Journalism@ucf.edu
Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassco@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
■ Grammar proficiency requirement.
■ A minimum UCF GPA of 2.5 is required.
■ The minor is not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below "C" (2.0) in lower level courses are not accepted in the minor.
■ At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

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

Required Courses
■ (9 hrs)
JOU 21000C News Reporting 3 hrs
JOU 3510 Magazine Publishing 3 hrs
JOU 4447 Magazine Editing and Production 3 hrs

Restricted Electives
■ (9 hrs)
Select from the following:
ENC 3310 Magazine Writing I or 3 hrs
JOU 3310 Social Media Writing for Magazines or 3 hrs
JOU 3301 Editing I or 3 hrs
JOU 4213C Page Design or 3 hrs
JOU 4300 Feature Writing or 3 hrs
JOU 4340C Online Journalism I 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

Marketing - Minor
College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S

UCF Majors other than Marketing

Minor Admission Requirements
■ Open to all UCF Majors other than Marketing.
■ Completion of MAR 3023 with a "B" (3.0) or better.
■ UCF overall GPA of 2.75 or better required at time of admission to the Marketing minor.

Minor Requirements
■ After admission to the Marketing minor, a grade of "C" (2.0) or better is required in all marketing courses taken to satisfy the minor.
■ At least nine hours used to satisfy the requirements of the Marketing minor must be earned at UCF within the Department of Marketing.

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

Required Courses
■ (15 hrs)
MAR 3023 Marketing 3 hrs
MAR 3323 Integrated Marketing Communication 3 hrs
MAR 3391 Professional Selling 3 hrs
MAR 3611 Marketing Analysis and Research Methods 3 hrs
MAR 4803 Marketing Management 3 hrs

Restricted Electives
■ (3 hrs)
Select one:
■ MAR 3641 Marketing Intelligence 3 hrs
■ MAR 3765 Entrepreneurial Marketing 3 hrs
■ MAR 4156 International Marketing 3 hrs
■ MAR 4231 Retailing Management 3 hrs
■ MAR 4711 Sport Marketing 3 hrs
■ MAR 4712 Healthcare Marketing 3 hrs
■ MAR 4715 Entertainment Marketing 3 hrs
■ MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
■ MAR 4941 Marketing Internship 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
■ Courses taken at Florida College System institutions 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.
Mass Culture and Collective Behavior - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Lin Huff-Corzine, 407-823-3744

This minor provides students with an opportunity to learn about sociological research within the areas of religion, sports, leisure, music, pop culture, focuses to some extent on how people consume goods and resources in society. This leads to working knowledge of how public opinion and contemporary social movements shape collective behavior and mass culture. The minor is especially appropriate for students majoring in Interdisciplinary Studies, the social sciences, business, or for any student seeking an enhanced understanding of socio-cultural change within modern society. Given this broad-based set of courses, someone interested in a career in sales, marketing, volunteer organizations, or social media, for example, would find this minor a good fit.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students are expected to have a minimum GPA of 2.0 in the minor and earn a “C” or better in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

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

Required Courses (9 hrs)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYP 4000</td>
<td>Sociological Social Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Required: Complete one of the following: (3 hrs)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Social Problems</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)
- Students must satisfy each course’s prerequisites before enrolling in the class.

Select from the following: (3 hrs)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 2010</td>
<td>Community Action and Involvement</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 4810</td>
<td>Women in Contemporary Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 4244</td>
<td>Food and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 3300</td>
<td>Contemporary Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 4200</td>
<td>Religion in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3300</td>
<td>Fads, Crowds, and Social Action</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3323</td>
<td>Video Games in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3400</td>
<td>Social Change</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3602</td>
<td>Patterns of Popular Music in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3630</td>
<td>Popular Culture In Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3650</td>
<td>Sports and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4004</td>
<td>Constructing Social Issues</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4420</td>
<td>The Consumer Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- No Internship, Experiential Education or Independent Study credit can be used toward the minor.
Materials Science and Engineering - Minor
College of Engineering and Computer Science
Department of Materials Science and Engineering
Dr. Jiyu Fang, jfang@ucf.edu, 407-823-0609

The field of “materials” encompasses concepts in many diverse fields ranging from chemistry, physics, and optics to mechanical, electrical, and chemical engineering. Rapid advances in technology have dramatically increased the importance of materials science and engineering to society. Materials Science and Engineering (MSE) is the study of the structure/processing/properties relationships of engineering materials. Modern MSE encompasses a broad range of materials, from traditional metallurgy to biological materials, polymers, ceramics, semiconductors, composites, and optical and magnetic materials, as well as numerous nanotechnology materials.

The study of materials science allows students considerable freedom to the depth of their understanding of such materials while being simultaneously engaged in real world research. Participants in this minor will be able to improve their understanding, awareness and job skills in material selection and application to have additional opportunities and advantages to pursue a career in Engineering. Students taking graduate level EMA courses as Restricted Electives can use them for the Accelerated BS-to-MS program in Materials Science and Engineering.

Admission Requirements
■ A minimum UCF GPA of 2.5 is required for acceptance into this minor.

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
- EMA 3124 Design and Selection of Materials 3 hrs
- EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs

Select 1:
- EGN 3365 Structure and Properties of Materials 3 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs

Restricted Electives (9 hrs)

Select one of the following courses on properties of materials:
- PHZ 3422 Nanophysics 3 hrs
- EMA 4223 Fundamentals of Mechanical Behavior of Materials 3 hrs
- PHZ 4404 Solid State Physics 3 hrs
- EMA 4413 Fundamentals of Electronic Materials 3 hrs
- PHY 4445 Lasers 3 hrs
- OSE 4520 Laser Engineering 3 hrs
- EMA 5104 Intermediate Structure and Properties of Materials 3 hrs
- EMA 5415 Electronic Principles of Materials Properties 3 hrs

Select one of the following courses on applications of materials:
- EMA 3000 Engineering Polymeric, Ceramic, and Composite Materials 3 hrs
- EMA 3014 Nanomaterials Characterization and Applications 3 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEE 4463 MEMS Devices and Applications 3 hrs
- EMA 4506 Emerging Materials 3 hrs
- PCB 4521 Tissue Engineering 3 hrs
- EMA 5060 Polymer Science and Engineering 3 hrs
- EMA 5140 Introduction to Ceramic Materials 3 hrs
- EMA 5584 Biomaterials 3 hrs
- EMA 5585 Materials Science of Thin Films 3 hrs
- EMA 5705 High Temperature Materials 3 hrs

Select one of the following courses on materials processing, testing and characterization:
- EMA 3012C Experimental Techniques in Mechanics and Materials 3 hrs
- EMA 3691 Nanomaterials Process Engineering 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- EMA 4503 Materials Characterization Techniques 3 hrs
- PHY 4803L Advanced Physics Laboratory 3 hrs

Foreign Language Requirements
■ None

Other Requirements
■ A minimum grade of “C” (2.0) or better in all courses used to satisfy the minor.
■ A Bachelors degree must be completed at the time minor is awarded.
■ At least 12 hours of courses with EGN and/or EMA prefixes must be used toward the minor requirements.
■ Internship or Independent Study credit cannot be used toward the minor.

Mathematical Biology - Minor
College of Sciences
Department of Mathematics, Mathematical Sciences
Building, Room: 207
http://math.ucf.edu

Dr. Joseph Brennan, MSB 312, Joseph.Brennan@ucf.edu, 407-823-0147

Admission Requirements
■ None

Minor Requirements
■ A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
■ At least 6 hours used in the minor must be earned at UCF within the Department of Mathematics.
■ This minor is not open to Math majors.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.
- BSC 2010C Biology I 4 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

Required Courses (21 hrs)
- BSC 2011C Biology II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAP 4484 Mathematical Biology I 3 hrs
- MAP 4494 Mathematical Biology II 3 hrs

Restricted Electives (3 hrs)
Select from the following:
- BCH 4053 Biochemistry I 3 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 4883 Evolutionary Biology 4 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ Lower division courses do not substitute for Upper Division courses.
Mathematics - Minor
College of Sciences
Department of Mathematics,
Mathematical Sciences Building, Room: 207
http://math.ucf.edu
Dr. Joseph Brennan, MSB 312, Joseph.Brennan@ucf.edu
Phone: 407-823-0147

Minor Admission Requirements
- The minor is not open to Mathematics or Math Education majors.

Minor Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
- A minimum of 6 hours used to satisfy the Math Minor must be unique and not be used to satisfy the requirements of a major.

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

MAC 2311C Calculus with Analytic Geometry I 4 hrs

Required Courses (15 hrs)
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
MAS 3105 Matrix and Linear Algebra 4 hrs

Restricted Electives (3 hrs)
- Select 3 credit hours from 3000 or 4000 level courses offered by the department of Mathematics, except for the following:
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Medical Anthropology - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
Email: anthro@ucf.edu
Dr. Joanna Mishtal
Phone: (407) 823-2227

The Medical Anthropology minor develops students’ understanding of health from the perspective of human cultural and biological diversity. Current trends in education and employment show a growing need for medical anthropology knowledge and expertise in a variety of national and international career directions. This Minor therefore prepares students for future graduate studies and work in health professions, including medicine, global health, nursing, and social work.

Minor Admission Requirements
- The minor is not open to Anthropology majors.

Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.
- Only two anthropology courses can overlap for students enrolled in multiple anthropology programs (minors or certificates).

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

Required Courses (6 hrs)
- Complete all of the following:
  ANT 4408 Culture, Disease, and Healing 3 hrs
  ANT 4462 Medical Anthropology 3 hrs

Other Requirements
- None

Total Semester Hours Required
- 18

Restricted Electives
- None

Foreign Language Requirements
- None

Undergraduate Catalog 2017-2018
### Restricted Electives (12 hrs)
- Select four courses:
  - ANT 3148  Life and Death in Ancient Egypt  3 hrs
  - ANT 3169  Life and Death in the Ancient Andes  3 hrs
  - ANT 3275  Anthropological Perspectives on Refugees  3 hrs
  - ANT 3290  Anthropology of Plants and People  3 hrs
  - ANT 3302  Sex, Gender and Culture  3 hrs
  - ANT 3701  Engagement & Social Change: Public Anthropology  3 hrs
  - ANT 4013  Anthropology of Fast Food  3 hrs
  - ANT 4184  Mortuary Archaeology  3 hrs
  - ANT 4184  Mortuary Archaeology  3 hrs
  - ANT 4406  Pain and Suffering: The Anthropology of Violence  3 hrs
  - ANT 4467  Nutritional Anthropology  3 hrs
  - ANT 4480  Global Health in Anthropological Perspective  3 hrs
  - ANT 4481  Anthropology of Drugs and Addiction  3 hrs
  - ANT 4482  Anthropology of Mental Health  3 hrs
  - ANT 4483  Health and Healing in the Ancient World: An Anthropological Perspective  3 hrs
  - ANT 4516  Human Biological Diversity  3 hrs
  - ANT 4521  Forensic Anthropology  3 hrs
  - ANT 4525C  Human Osteology  4 hrs
  - ANT 4560  Birth to Death: Anthropological Perspectives on Human Growth  3 hrs
  - ANT 4802  Ethnographic Field Methods  3 hrs

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- None

### Medical Sociology - Minor
**College of Sciences**
**Department of Sociology, Howard Phillips Hall, Room: 403**
[http://sociology.cos.ucf.edu](http://sociology.cos.ucf.edu)
Dr. Lin Huff-Corzine, sociology@ucf.edu, 407-823-3744

The Medical Sociology minor examines the social determinants of health and illness, and their impact on the delivery of health care and access to medical resources. The minor also examines the role social forces play in the way society views, treats, understands, and responds to illness and disease. This minor promotes an understanding of health and illness from a sociological perspective and prepares students for careers and graduate school in health related fields.

### Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

### Minor Requirements
- Students are expected to have a minimum GPA of 2.0 in the minor and earn a “C” or better in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

### Prerequisite Courses
- Most courses for this certificate have prerequisites completed as a part of a student’s GEP requirement or as general electives.
- Students must satisfy each course’s prerequisites before enrolling in the class.

### Required Courses (6 hrs)
- SYO 4400  Medical Sociology  3 hrs

#### Required: Complete one of the following: 3 hrs
- SYG 2000  Introduction to Sociology or 3 hrs
- SYG 2010  Social Problems  3 hrs

### Restricted Electives (12 hrs)
- Select from the following:
  - SYD 4020  Birth, Death, and Population Trends  3 hrs
  - SYG 4244  Food and Society  3 hrs
  - SYO 3408  Animals and Health  3 hrs
  - SYO 3410  Patterns of Mental Health in Society  3 hrs
  - SYO 4424  Men, Masculinities, and Health  3 hrs
  - SYO 4441  Social Determinants of Health  3 hrs
  - SYO 4402  Sociology of Health and Illness Behavior  3 hrs
  - SYP 3060  Sociology of Sex and Reproduction  3 hrs
  - SYP 3551  Patterns of Alcoholism in Society  3 hrs
  - SYP 4550  Patterns of Drug Abuse in Society  3 hrs
  - SYP 4730  Patterns of Aging in Society  3 hrs

### Foreign Language Requirements
- None

### Medieval and Renaissance Studies - Minor
**College of Arts and Humanities**
**Department of English, Colbourn Hall, Room: 405**
[http://www.english.ucf.edu/](http://www.english.ucf.edu/) Dr. Tison Pugh, Tison.Pugh@ucf.edu

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

### Minor Admission Requirements
- None

### Minor Requirements
- None

### Prerequisite Courses
- Students are responsible for meeting any prerequisites for the courses in the minor, although they may individually petition instructors for permission to override these prerequisite requirements.

#### Required Courses (6 hrs)
- Select two courses from the following:
  - HUM 3455  Medieval Humanities  3 hrs
  - EUH 3122  Medieval Society and Civilization  3 hrs
  - 1 ENL 4311  Chaucer  3 hrs
  - 1 ENL 4341  Milton and His Age  3 hrs
  - 1 ENL 4333  Shakespeare Studies  3 hrs

1 Only one of these three courses will count towards required courses

### Restricted Electives (12 hrs)
- Select no more than two from each disciplinary group:

#### Department of Art
- ARH 4200  Medieval Art  3 hrs
- ARH 4310  Italian Renaissance Art  3 hrs
- ARH 4316  Great Masters: daVinci, Michelangelo, and Raphael  3 hrs

#### Department of English
- ENL 3220  English Renaissance Poetry and Prose  3 hrs
- ENL 4311  Chaucer  3 hrs
- ENL 4333  Shakespeare Studies  3 hrs
- ENL 4341  Milton and His Age  3 hrs
- ENL 3222  Renaissance Women in Literature  3 hrs
- LIT 3132  Legend & Literature of King Arthur  3 hrs
- LIT 4374  Literature of the Bible  3 hrs
Minors

**Department of History**
- AMH 4110 Colonial America, 1607-1763  3 hrs
- AMH 4112 The Atlantic World  3 hrs
- EUH 3122 Medieval Society and Civilization  3 hrs
- EUH 3142 Renaissance and Reformation  3 hrs
- EUH 3531 Medieval Ireland  3 hrs
- EUH 3536 Early Modern Ireland  3 hrs
- EUH 4500 English History to 1485  3 hrs
- EUH 4501 English History: 1485-1615  3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern  3 hrs

**Department of Modern Languages**
- FRW 3100 Survey of French Literature I  3 hrs
- ITW 3100 Survey of Italian Literature I  3 hrs
- SPW 3100 Survey of Spanish Literature I  3 hrs
- SPW 4310 Early Modern Spanish Theatre  3 hrs
- SPW 4604 Cervantes  3 hrs
- ITT 3443 Dante’s Inferno  3 hrs
- SPW 4400 Spanish Medieval Literature  3 hrs
- FRT 4421 French Medieval Literature and Culture  3 hrs

**Department of Music**
- MUH 4322 Medieval and Renaissance Music  3 hrs

**Department of Philosophy**
- PHH 3200 Medieval Philosophy  3 hrs
- HUM 3455 Medieval Humanities  3 hrs

**Judaic Studies**
- JST 3210 Kabbalah: Jewish Mysticism  3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

**Middle Eastern Studies - Minor**

**College of Arts and Humanities**

**Program in Middle Eastern Studies**, Colbourn Hall, Room: 551
http://middleeasternstudies.cah.ucf.edu/ Dr. Hakan Ozoglu, 407-823-0512

The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (9 hrs)
- CPO 3403 Politics of the Middle East  3 hrs
- REL 3363 Islam  3 hrs
- ASH 3223 The Modern Middle East  3 hrs

**Restricted Electives** (9 hrs)
- Additional courses may be used only with prior permission of the program director.
- Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120,1121)

**Military Science - Minor**

**College of Engineering and Computer Science**

**Army ROTC, Classroom Building 2, Room: 321**
LTC David Jones
Phone: 407-823-1872

**Minor Admission Requirements**
- Interview with Chair/Professor of Military Science to determine eligibility to meet requirements to contract and commission as an officer in the US Army.

**Minor Requirements**
- Eligibility for this minor is restricted to those students who meet the requirements to contract and commission as officers in the US Army. Students desiring to enroll in the advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet prerequisite requirements to contract and must obtain permission from the Chair/Professor of Military Science through an interview process, prior to participating in the advanced courses.

**Prerequisite Courses**

**Military Science Prerequisites**  8 hrs
- MSL 1001C Foundations of Officership  2 hrs
- MSL 1002C Basic Leadership  2 hrs
- MSL 2101C Individual Leadership Studies  2 hrs
- MSL 2102C Leadership and Teamwork  2 hrs

**Required Courses** (16 hrs)
- MSL 3201C Leadership and Problem Solving  4 hrs
- MSL 3202C Leadership and Ethics  4 hrs
- MSL 4301C Leadership and Management  4 hrs
- MSL 4302C Officership  4 hrs

**Restricted Electives** (3 hrs)
- Select one of the following  3 hrs
  - AMH 3541 U.S. Military History To 1900  3 hrs
  - AMH 3547 U.S. Military History Since 1900  3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 19

UNIVERSITY OF CENTRAL FLORIDA
Minors

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.
- Internship credit can be used toward the minor.

Music - Minor
College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu/
Lauren Rausch, lauren.rausch@ucf.edu, 407-823-2758

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (10 hrs)
- MUS 1004 Fundamentals of Music I 3 hrs
- MUS 1121 Music Theory and Musicianship I 4 hrs

Select 1: 3 hrs
- MUS 2010 Enjoyment of Music or
- MUS 2016 Evolution of Jazz or
- MUS 2720 Music of the World or
- MUS 2817 Survey of Rock Music or
- MUS 2819 American Popular Music, 1840s-present

Required Electives (9 hrs)
- Required electives must be taken from the School of Performing Arts at UCF and must include 3 hours minimum at the 3000 or 4000 level.

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Nanoscale Science and Technology - Minor
College of Sciences
Department of Physics,
Physical Sciences Building, Room: 403
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Talat Rahman, 407-823-2325

This minor is designed to offer students a working knowledge of nanoscience principles and industrial applications, and to understand the societal and technology issues that may impede the adoption of nanotechnology. In addition, students are expected to develop the ability to communicate effectively, work collaboratively, and identify paths and requisite knowledge and skills for nanotechnology careers. With the service learning component built into the three core courses, students completing the minor will only need a fourth SL-designated course of their choice to receive a UCF Service-Learning certificate.

Admission Requirements
- None

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the Department of Physics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class. In addition, the students must have completed the following courses, which are taken by most science majors:

Select 1:
- PHY 2048C General Physics Using Calculus I or
- PHY 2053C College Physics I

Select 1:
- PHY 2048C General Physics Using Calculus II or
- PHY 2054C College Physics II

Select 1:
- CHM 2045C Chemistry Fundamentals I or
- CHS 1440 Principles of Chemistry

Suggested Courses
- EGN 3211 Engineering Analysis and Computation
- COP 3223C Introduction to Programming with C

Required Courses (9 hrs)
- The three required courses include a 20-hour service learning component.
- PHZ 3462 Nanoscience I: The Science and Societal Impacts
- PHZ 3464 Nanoscience II: Technological Applications
- PHZ 3466 Nanoscience III: A Virtual Laboratory

Restricted Electives (9 hrs)
- Select three courses from the following list. One course must be chosen from the listed from the Physics department. Other electives should be taken with approval of the program director.
- PHY 3302L Intermediate Physics Laboratory
- PHY 3101 General Physics Using Calculus III
- PHZ 3151 Computer Methods in Physics
- BSC 3424 Nanobiotechnology
- OSE 3490 Nanophotonics
- PHY 5933 Selected topics in biophysics of macromolecules
- PHY 4604 Wave Mechanics I
- PHY 4605 Wave Mechanics II
- CHM 3410 Physical Chemistry I
- CHM 3450 Polymer Chemistry
- CHM 4610 Inorganic Chemistry
- PHI 3626 Advanced Ethics in Science and Technology
- PHI 4690 Ethics in Nanoscience and Nanotechnology
- PHY 5425C Electron Solid Interactions

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Note: To obtain a Service-Learning certificate, four UCF-approved service-learning courses must be completed. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule.
The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including “Other Requirements”), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

**Minor Admission Requirements**
- None

**Minor Requirements**
- Students must earn a “C” (2.0) or better in each course in the minor.

**Prerequisite Courses**
- None

**Required Courses** (9 hrs)
- PAD 3930 Nonprofit Leadership Seminar 3 hrs
- PAD 4948 Nonprofit Management Internship 3 hrs
- PAD 4144 Nonprofit Organizations 3 hrs
- PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs
- PAD 4148 Volunteer Management 3 hrs
- PAD 4153 Planning and Improvement for Public Organizations 3 hrs
- PAD 4131 Public Sector Project Management 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4223 Public Budgeting: Skills and Techniques 3 hrs
- PAD 4253 Community & Economic Development 3 hrs
- PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs

**Restricted Electives** (9 hrs)
- Student can earn the remaining 9 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

**Generalist Emphasis**
- Choose at least one course from each of the following three groups
  
  **Select 1:** 3 hrs
  - Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation
    - ACG 2021 Principles of Financial Accounting or 3 hrs
    - ACG 2071 Principles of Managerial Accounting or 3 hrs
    - MAN 3025 Management of Organizations or 3 hrs
    - PAD 4151 Public Sector Project Management or 3 hrs
    - PAD 4204 Fiscal Management or 3 hrs
    - PAD 5850 Grant and Contract Management or 3 hrs
    - SOW 3401 Social Work Research or 3 hrs
    - PAD 4153 Planning and Improvement for Public Organizations or 3 hrs
    - PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs

  **Select 2:** 3 hrs
  - Group II: Human Development and Human Resource Development and Volunteerism
    - MAN 3301 Strategic Human Resource Management or 3 hrs
    - MAN 4101 Human Relations in Management or 3 hrs
    - MAN 4320 Human Resources Recruitment and Selection or 3 hrs
    - PAD 4414 Human Resource Administration or 3 hrs
    - PAD 4148 Volunteer Management or 3 hrs
    - SOW 3284 Social Work Perspectives on Social Justice or 3 hrs
    - SOW 3104 Human Behavior and the Social Environment I or 3 hrs
    - DEP 2004 Developmental Psychology or 3 hrs
    - DEP 3464 Psychology of Aging or 3 hrs
    - EDC 4941 Directed Field Experience 3 hrs

  **Select 3:** 3 hrs
  - Group III: Communication & Marketing and Fund Raising Principles & Practices
    - COM 3110 Business and Professional Communication or 3 hrs
    - GEB 3031 Integrated Business Foundations or 3 hrs
    - MAR 3023 Marketing or 3 hrs

**Performing Arts Administration - Minor**

**Department of Music,**

**College of Arts and Humanities**

**Performing Arts Center, Room: M203**


Lauren Rausch, lauren.rausch@ucf.edu

Phone: 407-823-2758

Music & Theatre majors or other majors with experience/passion for the performing arts, admitted by an interview/portfolio review.

**Minor Admission Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (15 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- PAD 4151 Public Sector Project Management 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4223 Public Budgeting: Skills and Techniques 3 hrs
- PAD 4253 Community & Economic Development 3 hrs
- PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs
- PAD 4148 Volunteer Management 3 hrs
- PAD 4153 Planning and Improvement for Public Organizations 3 hrs
- PAD 4131 Public Sector Project Management 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4223 Public Budgeting: Skills and Techniques 3 hrs
- PAD 4253 Community & Economic Development 3 hrs
- PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs

**Total Semester Hours Required**
- 18

**Other Requirements**
- Enrollment in Nonprofit Leadership Alliance Program through Nonprofit Leadership Alliance program office.
- Attendance at one national Alliance Management/Leadership Institute (additional fees).
- Membership in UCF Nonprofit Management Student Association.
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.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- Select one course from each of the following groups:
  
  **Reasoning**
  - Select 1:
    - PHI 2011: Philosophical Reasoning or 3 hrs
    - PHI 2101: Formal Logic I or 3 hrs
    - PHI 2847: Logic and Ethics or 3 hrs
    - PHI 3131: Formal Logic II or 3 hrs
    - PHI 2108: Critical Thinking or 3 hrs
  
  **History of Philosophy**
  - Select 1:
    - PHH 3100: Ancient Philosophy or 3 hrs
    - PHH 3200: Medieval Philosophy or 3 hrs
    - PHH 3460: Modern Western Philosophy or 3 hrs
    - PHH 3600: Contemporary Philosophy or 3 hrs

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.
- No no credit by exam (TSD, Military credit) may be used.

Foreign Language Requirements
- None

Total Semester Hours Required
- 30
Physics - Minor
College of Sciences
Department of Physics, Physical Sciences, Room: 430
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2625

Minor Admission Requirements
- The minor is not open to Physics majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the Department of Physics.

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

Required Courses (11 hrs)
- PHY 2048C General Physics Using Calculus I 4 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- PHY 3101 General Physics Using Calculus III 3 hrs

Restricted Electives (9 hrs)
- Select from upper-level Physics lecture or laboratory courses appropriate for majors

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Political Science - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Email: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
  - 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course:
    - POS 2041 American National Government 3 hrs

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses
- POS 2041 American National Government 3 hrs

Restricted Electives (15 hrs)
- Five upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, and PUP; GEO 3471 and INR 4008 are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
- Only three hours of for the following course may be used:
  - POS 4941 Political Science Internship 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Political Science/Prelaw - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu/
Email: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  - Students who double minor in Political Science/Prelaw and International and Global Studies shall not count more than one course toward both programs.
  - Students who major in International and Global Studies, and minor in Political Science/Prelaw shall not count more than one course toward both programs, except the following:
    - POS 2041 American National Government 3 hrs

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the Department of Political Science.

Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (6 hrs)
- POS 2041 American National Government 3 hrs
- POS 4284 Judicial Process and Politics 3 hrs

Restricted Electives (12 hrs)
- Select 1:
  - INR 4401 International Law or 3 hrs
  - POS 4603 American Constitutional Law I or 3 hrs
  - POS 4604 American Constitutional Law II 3 hrs

Restricted Upper Division Electives (9 hrs)
- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, and PUP; GEO 3471 or INR 4008 are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
- Only three hours of the following course may be counted:
  - POS 4941 Political Science Internship 3 hrs
### Minors

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- No credit by exam (TSD, Military credit) may be used.
- Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

### Pre-Law in the Humanities - Minor
**College of Arts and Humanities**
**Department of History**
Patricia Farless, Patricia.Farless@ucf.edu, 407-823-2225

**Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- Students are responsible for meeting any prerequisites for the courses in the minor or for obtaining course instructor permission if prerequisites are not met.

**Required Courses**
Select 3 courses from the following: 9 hrs
- AMH 3558  History of American Law  3 hrs
- ENC 3314  Writing and Rhetoric Foundations  3 hrs
- LIT 3933  Literature and Law  3 hrs
- PHI 2101  Formal Logic I  3 hrs

**Restricted Electives**
Select 3 additional Pre-Law Humanities minor  9 hrs courses from the list below; one of these may include the 4th course from the list above.

#### English
- ENC 4312  Theory & Practice Persuasive Writing or 3 hrs
- LIN 4801  Language and Meaning or 3 hrs
- LIT 3437  Literature 3 hrs

#### History
- AMH 3560  Women, Law, and Society in American History or 3 hrs
- EUH 4504  English Legal History I  3 hrs

#### Philosophy
- PHI 2108  Critical Thinking or 3 hrs
- PHI 3670  Ethical Theory or 3 hrs
- REL 4178  Religion and Law  3 hrs

#### Writing and Rhetoric
- ENC 3250  Professional Writing or 3 hrs
- ENC 3373  Cultural Rhetorics or 3 hrs
- ENC 3521  Writing Across Difference  3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- You may take a maximum of 6 hours from a single department.
- 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 College of Arts and Humanities.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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**Professional Selling - Minor**
**College of Business Administration**
**Department of Marketing, Business Administration II, Room: 307S**

UCF Majors other than Marketing

**Admission Requirements**
- Open to all UCF Majors other than Marketing
- Application to and approval by the Department of Marketing required. Limited enrollment.
- Completion of MAR 3023 with a “B” (3.0) or better prior to application to the minor.
- Completion of MAR 3391 with a “B-” (2.75) or better prior to application to the minor.
- UCF overall GPA of 2.75 or better required at time of application/admission to the minor.

**Minor Requirements**
- After admission to the Professional Selling minor, a grade of “C” (2.0) or better is required in all marketing courses taken to satisfy the minor.
- Four courses required for the Professional Selling minor (MAR 3391, MAR 4418, MAR 4415C, MAR 4413C) must be earned at UCF within the Department of Marketing.

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses**
Select 3 courses from the following: 9 hrs
- MAR 3023  Marketing  3 hrs
- MAR 3391  Professional Selling  3 hrs
- MAR 3611  Marketing Analysis and Research Methods  3 hrs
- MAR 4413C  Strategic Issues in Sales  3 hrs
- MAR 4415C  Advanced Professional Selling  3 hrs
- MAR 4418  Strategic Sales Force Management  3 hrs

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions 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.
- No credit by exam (TSD, Military credit) may be used. Independent Study or Directed Research credit cannot be used toward the Professional Selling minor.
- A maximum of 3 credit hours of the listed required courses for the Professional Selling minor can be counted towards the degree requirements of another major or minor degree program. MAR 3407 does not substitute for MAR 3391 in the Professional Selling minor.

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**Psychology - Minor**
**College of Sciences**
**Department of Psychology, Psychology Building, Room: 301**
http://www.psych.ucf.edu/
**Email:** psychadvising@ucf.edu
Psychology Advising Center, PSY 250 Phone: 407-823-2219
Minors

The Psychology Department minor permits emphasis of several areas; Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements

■ The minor is not open to psychology majors.

Minor Requirements

■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Students must maintain a minimum GPA of “C” (2.0) in the minor.
■ At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

Prerequisite Courses

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

Required Courses (10 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3204C</td>
<td>Statistical Methods in Psychology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select one statistics course: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (15 hrs)

A. Experimental

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXP 304</td>
<td>Sensation and Perception or 4 hrs</td>
<td></td>
</tr>
<tr>
<td>EXP 3404</td>
<td>Basic Learning Processes or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>EXP 3604</td>
<td>Cognitive Psychology or 4 hrs</td>
<td></td>
</tr>
<tr>
<td>PSB 4240</td>
<td>Neuropsychology or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>EXP 3640</td>
<td>Psychology of Language 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

B. Personality/Social

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPE 3003</td>
<td>Personality Theory and Research or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SOP 3004</td>
<td>Social Psychology 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

C. Developmental

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 2004</td>
<td>Developmental Psychology or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>DEP 3202</td>
<td>Psychology of Exceptional Children or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>DEP 3404</td>
<td>Psychology of Aging 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

D. Diversity

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 3164</td>
<td>Women’s Mental Health or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SOP 3723</td>
<td>Cross Cultural Psychology or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SOP 3724</td>
<td>Psychology of Prejudice or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SOP 3742</td>
<td>Psychology of Women or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SOP 3764</td>
<td>Psychology of Diversity 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

E. Select one additional Psychology elective 3 hrs

■ The following courses will NOT fulfill this requirement:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INP 3141C</td>
<td>Advanced Applied Psychology 3 hrs</td>
<td></td>
</tr>
<tr>
<td>INP 3951</td>
<td>Industrial/Organizational Field Work 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PSY 3905</td>
<td>Directed Independent Study 1 hr</td>
<td></td>
</tr>
<tr>
<td>PSY 4060</td>
<td>Directed Independent Study 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PSY 4912</td>
<td>Directed Independent Research 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PSY 3951</td>
<td>Undergraduate Field Work 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

1 This course may fulfill the requirement with prior approval.

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 25

Other Requirements

■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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Public Administration - Minor
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin
Dr. Stephanie Krick, Stephanie.Krick@ucf.edu, 407-823-2604

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations, including fiscal management, survey research, public administration, and human resource management.

Minor Admission Requirements

■ None

Minor Requirements

■ None

Prerequisite Courses

■ None

Required Courses (21 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3003</td>
<td>Public Administration in American Society 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PAD 3733</td>
<td>Professional Administrative Writing in the Public Sector 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PAD 4034</td>
<td>The Administration of Public Policy 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PAD 4104</td>
<td>Administrative Theory 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PAD 4204</td>
<td>Fiscal Management 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PAD 4414</td>
<td>Human Resource Administration 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PAD 4720</td>
<td>Survey Research in Public Administration 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

Restricted Electives

■ None

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 21

Other Requirements

■ A minimum GPA of 2.0 is required in each course used to satisfy the minor.
■ Students must earn at least a 2.0 (“C”) to earn credit.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor without prior approval.

---

Real Estate - Minor
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration I, Room: 427
Students seeking advising must go to BA 2 room 101.
http://www.bus.ucf.edu/realestate/
Phone: 407-823-3575

Open to Business and Non-Business Students. Not available to Real Estate Majors.

Minor Admission Requirements

■ None

Minor Requirements

■ None

Prerequisite Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 2100</td>
<td>Personal Finance and Investments 3 hrs</td>
<td></td>
</tr>
<tr>
<td>FIN 3403</td>
<td>Business Finance 3 hrs</td>
<td></td>
</tr>
<tr>
<td>REE 3043</td>
<td>Fundamentals of Real Estate 3 hrs</td>
<td></td>
</tr>
<tr>
<td>REE 3433</td>
<td>Real Estate Law 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>
Religion and Cultural Studies - Minor
College of Arts and Humanities

Department of Philosophy, Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu

Religion and Cultural Studies is a minor designed to familiarize students with religious traditions around the world, from ancient through contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course in each category is offered as an online course.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
A. Studying Religion and Culture 3 hrs
Select 1: 3 hrs
REL 2000 Introduction to Religion and Cultural Studies or
REL 2300 World Religions 3 hrs

B. Traditions 6 hrs
■ Must select one in each category with at least one course from the Philosophy Department
Abrahamic Traditions 3 hrs
REL 3403 Christianity or
REL 3363 Islam or
REL 3320 Moses, Jesus and Muhammad or
REL 3432 Roots of Western Mysticism or
JST 3401 Jewish People in Antiquity 3 hrs

C. Theories and Methods 6 hrs
■ Must select one in each category
Religion
REL 4936 Key Figures in Religion and Cultural Studies or
REL 4496 Key Concepts in Religion and Cultural Studies or
PHI 3700 Philosophy of Religion or
REL 4157 Religion and Psychoanalysis or
PHI 3720 Faith and Reason 3 hrs

Cultural Studies
HUM 4459 American Cultural Studies in Humanities or
HUM 3805 Critical Theory in the Humanities or
HUM 3328 Theories of Sex and Gender in Humanities or
HUM 4823 Queer Theory in the Humanities or
HUM 4826 Postcolonial Theory or
PHI 4804 Critical Theory or
PHI 3600 Contemporary Philosophy 3 hrs

D. Religion in Culture 3 hrs
■ Must select one from the following:
REL 3111 Religion and Philosophy Through Film 3 hrs
REL 3115 Religion, Spirituality, and Popular Music 3 hrs
REL 3130 Religion in America 3 hrs
REL 4110 Religion and the Arts 3 hrs
REL 4118 Religion and Medicine 3 hrs
REL 3112 Religion and 20th Century Fantasy Texts 3 hrs
REL 3101 Religion in Popular Culture 3 hrs
REL 4178 Religion and Law 3 hrs
ANT 3241 Magic, Ritual, and Belief 3 hrs
JST 3550 Introduction of Modernism into Judaism 3 hrs
POT 4632 Religion and Politics 3 hrs
SYO 4200 Religion in Society 3 hrs

Restricted Electives (6 hrs)
Select 2: 6 hrs
REE 4103 Real Estate Appraisal and Valuation or
REE 4203 Commercial Real Estate Finance or
REE 4204 Residential Real Estate Finance or
REE 4303 Real Estate Investment Analysis or
REE 4732 Real Estate Development or
REE 3614 Environmental Issues for Real Estate or
REE 4933 Advanced Topics in Real Estate 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
■ Courses taken at Florida College System institutions do not substitute for major or minor 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.
■ A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

Russian Studies - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
History@ucf.edu
Dr. Vladimir Solonari
Dr. Alla Kourova
Phone: 407-823-6617

Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
A. Language Classes 6 hrs
RUS 2200 Intermediate Russian Language and Civilization I 3 hrs
RUS 2201 Intermediate Russian Language and Civilization II 3 hrs
Minors

Restricted Electives

**History** 6 hrs
- EUH 4571 History of Russia to 1801 3 hrs
- EUH 4574 History of Russia: 1801-1917 3 hrs
- EUH 4576 History of Russia in the 20th Century 3 hrs
- EUH 4663 History of Communism in Europe 3 hrs

**Government/Politics** 3 hrs
- CPO 3614 Politics of Eastern Europe 3 hrs
- CPO 4643 Government and Politics of Russia 3 hrs
- PLA 4830 World Legal Systems 3 hrs
- POT 4414 Marxist Political Theory 3 hrs

**Cultural** 3 hrs
- LIT 3931 Topics in World Literature 3 hrs
- LIT 4233 Postcolonial Theory and Literature 3 hrs
- RUT 3505 Russian Culture and Civilization 3 hrs
- RUS 3955 Study Abroad 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required for all courses used to satisfy a minor.
- At least 12 hours used in the minor must be earned at UCF.
- Except for the foreign language requirement, no credit by exam may be used.
- Internship, Co-op, or Independent Study cannot be used toward the minor.

Science Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Malcolm Butler, ED 322T, malcolm.butler@ucf.edu, 407-823-3272
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@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. This minor is not available to students in pending status in a College of Education and Human Performance major.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes.
- Students must complete 18 hrs of courses in science as co-requisites.
- Recommended courses include: BSC 2010C, BSC 2011C, CHM 2045C, CHM 2046, PHY 2053C or PSC 1121
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

Secure Computing and Networks - Minor
College of Engineering and Computer Science
Department of Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.cs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-3327

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- CIS 3360 Security in Computing 3 hrs
- CIS 3362 Cryptography and Information Security 3 hrs
- CNT 4403 Network Security and Privacy 3 hrs
- CIS 4361 Secure Operating Systems and Administration 3 hrs

Restricted Electives (6 hrs)
Select 1: 3 hrs
- CNT 4703C Design and Implementation of Computer Communication Networks or
- EEL 4781 Computer Communication Networks 3 hrs
- CIS 4940C Topics in Cybersecurity or
- EEE 4346C Hardware Security and Trusted Circuit Design 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Minors

Social Science Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@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. This minor is not available to students in pending status in a College of Education and Human Performance major.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SSE 4361 Social Science Instructional Analysis 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- No Experiential Education and internship credit can be used toward the minor.

Sociology - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
Dr. Lin Huff-Corzine, sociology@ucf.edu, 407-823-3744

Minor Admission Requirements
- The minor is not open to Sociology majors.

Minor Requirements
- Students are expected to have a minimum GPA of 2.0 in the minor and earn a “C” or better in each course used to satisfy the minor.
- No more than 3 hours of Independent Study credit can be used toward the minor.

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

Required Courses (9 hrs)
- SYG 2000 Introduction to Sociology 3 hrs

Required Courses (15 hrs)
- SYG 2000 Introduction to Sociology 3 hrs
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3420 Spanish Composition 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs

Restricted Electives (9 hrs)
- Select three upper division Spanish language courses (SPN/SPT/SPW 3XXX or above) offered in the Department of Modern Languages not already used to satisfy the minor.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A native or near-native speaker must substitute an alternate upper division course for the Advanced Spanish Grammar and Composition course.
- A native or near-native speaker must substitute an alternate upper division course for the Spanish Composition course.
- A native or near-native speaker must substitute an alternate upper division course for the Advanced Oral Communication course.

Spanish - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 519
http://mll.cah.ucf.edu/
Dr. Francisco J. Fernandez-Rubiera, Rubiera@ucf.edu

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3420 Spanish Composition 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs

Restricted Electives (9 hrs)
- Select three upper division Spanish language courses (SPN/SPT/SPW 3XXX or above) offered in the Department of Modern Languages not already used to satisfy the minor.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Modern Languages and Literatures.
- 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.
Minors

Sport Business Management (SPB) - Minor
College of Business Administration

Sport Business Management,
Business Administration II, Room: 302Z

Dr. Scott Bukstein, Program Coordinator for Sport Business Minor, scott.bukstein@ucf.edu, 407-823-1513

Open to Business and Non-Business majors. Minor will only be awarded at the time of degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
SPB 3003 Introduction to Sport Business Management 3 hrs
SPB 3603 Diversity and Social Issues in Sport Business Management 3 hrs
SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment 3 hrs
SPB 4304 Sports Event and Facility Management 3 hrs
SPB 4804 Sport Business and Media 3 hrs
GEB 4824 Business Law in Sport & Entertainment 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (CLEP, TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Statistics - Minor
College of Sciences

Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, david.nickerson@ucf.edu
Phone: 407-823-2289

Minor Admission Requirements
■ The minor is not open to Statistics majors.

Minor Requirements
■ A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

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

Required Courses (9 hrs)
STA 4163 Statistical Methods II 3 hrs
STA 4164 Statistical Methods III 3 hrs

Select 1:
STA 2023 Statistical Methods I or Statistical Methods for Engineers 3 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

Restricted Electives (9 hrs)
■ Select from upper division STA prefix courses taught within the Statistics Department.
■ The following course CAN NOT be used as a restricted elective:
STA 3032 Probability and Statistics for Engineers 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ None

Technical Education and Industry Training - Minor
College of Education and Human Performance

Department of Child, Family and Community Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Email:
Dr. Jo Ann M. Whiteman, JoAnn.Whiteman@ucf.edu, 407-823-5305

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 available to students in the College of Education and Human Performance with the exception of Sport and Exercise Science. The minor does not lead to teacher certification or admission to the College of Education and Human Performance. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
■ Minimum 2.5 overall GPA
■ Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs
ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
### Technological Entrepreneurship - Minor

**College of Business Administration**

**Department of Management,**

**Business Administration I, Room: 309**

Open to Business and Non-Business Students

http://www.cell.ucf.edu

Dr. Cameron Ford, cford@ucf.edu

Phone: 407-823-5569

The Technological Entrepreneurship Minor offers students an opportunity to learn how to develop and commercialize innovations. The courses describe several commercialization pathways including corporate ventures and licensing, but will emphasize the development of startup business ventures. Students will learn how to create economic and social value and incorporate business considerations into their problem solving and design efforts. Participants will also learn contemporary approaches to designing and implementing technology startup business models capable of taking an innovation to market.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT 3613</td>
<td>Creativity and Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>ENT 4013</td>
<td>New Venture Design</td>
<td>3</td>
</tr>
<tr>
<td>ENT 4014</td>
<td>New Venture Implementation</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 3963</td>
<td>Information Management and Entrepreneurship or Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>EGN 4641C</td>
<td>Engineering Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>ENT 4183</td>
<td>Technological Entrepreneurship</td>
<td>3</td>
</tr>
</tbody>
</table>

**ENT 4013**

- New Venture Design
- New Venture Implementation

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT 3613</td>
<td>Creativity and Entrepreneurship</td>
</tr>
<tr>
<td>ENT 4013</td>
<td>New Venture Design</td>
</tr>
<tr>
<td>ENT 4014</td>
<td>New Venture Implementation</td>
</tr>
</tbody>
</table>

**DIG 3963**

- Information Management and Entrepreneurship or Entrepreneurship
- Information Management and Entrepreneurship

**EGN 4641C**

- Engineering Entrepreneurship or Entrepreneurship
- Engineering Entrepreneurship

**ENT 4183**

- Technological Entrepreneurship
- Technological Entrepreneurship

**Restricted Electives**

- Students must select six credits from the courses listed below. Alternatively, this requirement can be fulfilled by design or innovation courses approved by the program coordinator in consultation with faculty offering the courses (e.g., senior design sequences, etc. See illustrative examples of approved course sequences below).

- DIG 3563: Information Management and Entrepreneurship 3 hrs
- EGN 4641C: Engineering Entrepreneurship 3 hrs
- ENT 4183: Technological Entrepreneurship 3 hrs
- MAN 4046: Teamwork, Collaboration, and Group Dynamics 3 hrs
- MAN 4143: Leadership Development 3 hrs
- MAR 3765: Entrepreneurial Marketing 3 hrs

1 Students may substitute ENT 5016 New Venture Design for ENT 4013-New Venture Design, and/or ENT 5206 New Venture Implementation for ENT 4014-New Venture Implementation with the consent of the graduate course instructor contact the program for more information.

1 Students must select six credits from the courses listed below. Alternatively, this requirement can be fulfilled by design or innovation courses approved by the program coordinator in consultation with faculty offering the courses (e.g., senior design sequences, etc. See illustrative examples of approved course sequences below).
Minors

Admission Requirements

- None

Minor Requirements

- A grade of "C" (2.0) or better is required in all courses counting towards the minor.
- At least 15 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion (for a maximum of 3 credit hours).
- No more than 3 credit hours may overlap with any other major or minor.

Prerequisite Courses

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

Required Courses (6 hrs)

- DSC 4012 Terrorism 3 hrs
- INR 4084 Politics of International Terrorism 3 hrs

Restricted Electives (12 hrs)

Select two from the following:

- CCJ 4076 Crime Intelligence and Investigative Support Analysis 3 hrs
- COM 4416 Terrorism and Communication 3 hrs
- CPO 3057 Contemporary Revolution and Political Violence 3 hrs
- DSC 4013 Homeland Security and Criminal Justice 3 hrs
- INR 3930H ST: Honors Terrorism from a Global Perspective 3 hrs
- INR 4114 American Security Policy 3 hrs
- INR 4363 Intelligence Analysis and Reporting 3 hrs
- INR 4335 Coercion in International Politics 3 hrs
- INR 4334 The Intelligence Community 3 hrs
- INR 4764 Cyberwarfare Policy 3 hrs
- POS 3234 Protest in American Politics 3 hrs
- POS 4206 Political Psychology 3 hrs

Restricted Upper Division Electives (3000 level or above)

- Two classes focused on regional/issue area study.
- Classes to be chosen in consultation with the program director. Students are encouraged to propose course selections that are relevant to their expertise (e.g., computer science/cyber-warfare, physical sciences/bio-weapons proliferation by non-state actors) for approval by program director. The pairings below serve as examples only.

For Example:

- ASH 3223 The Modern Middle East and 3 hrs
- CPO 3403 Politics of the Middle East 3 hrs
- or
- INR 4243 International Politics of Latin America and 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 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.
- Students must consult departmental handbooks every semester.
- Students are encouraged to consult the theatre minor advisor with questions regarding course selection and electives.

Urban and Regional Planning - Minor
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin
Dr. Stephanie Krick, Stephanie.Krick@ucf.edu, 407-823-2604

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.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

- A statement of why you want to become a Theatre Minor
- A course history list (including grades) of theatre courses completed at UCF or any other university
- A completed UCF Theatre Department Student Information Form (found on our website)

Foreign Language Requirements

- None

Required Courses (12 hrs)

- THE 2000 Theatre Survey 3 hrs
- THE 3006 Greece to Grease: Development of Theatre 3 hrs
- TPP 2110C Acting I - Introduction 3 hrs
- TPP 2200 Introduction to Technical Theatre 2 hrs
- TPA 2290L Theatre Participation-Production I 1 hr

1 Can substitute TPP 2185 Acting for Non-Majors or any Acting Class
2 Can substitute any Stagecraft Class.

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 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.
- Students must consult departmental handbooks every semester.
- Students are encouraged to consult the theatre minor advisor with questions regarding course selection and electives.

Theatre - Minor
College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu
Lauren Rausch, (407) 823-2862

Minor Admission Requirements

- We accept minor applications at any time. Email the following application materials to theatre@ucf.edu:

- A statement of why you want to become a Theatre Minor
- A course history list (including grades) of theatre courses completed at UCF or any other university
- A completed UCF Theatre Department Student Information Form (found on our website)
### Women's and Gender Studies - Minor

**College of Arts and Humanities**

**Program in Women's and Gender Studies, Colbourn Hall, Room: 118**


**Email: womenst@ucf.edu**

Dr. M.C. Santana, 407-823-6502

Phone: 407-823-6502

The Women's and Gender Studies minor emphasizes intersectional approaches to the study of gender, race, class, ethnicity, and sexuality in national and transnational contexts. Course offerings examine social constructions of sex and gender and provide 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 various departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theater, and the Women's and Gender Studies Program. Subcategories of focus include feminist theories, girl studies, queer studies, and global and transnational issues.

### Minor Admission Requirements

- None

### Minor Requirements

- Students cannot earn both the minor in Women's and Gender Studies and the Certificate on Gender Studies.

### Prerequisite Courses

- None

### Required Courses (21 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4712</td>
<td>Information Systems for Public Managers and Planners</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4331</td>
<td>Land Use and Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4334</td>
<td>Urban Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4253</td>
<td>Community &amp; Economic Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4803</td>
<td>Issues in Urban Administration</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives

- **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 Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4822</td>
<td>Intergovernmental Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4390</td>
<td>Hazard Mitigation and Preparedness</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4392</td>
<td>Emergency Management and Homeland Security</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 21

### 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.

### Select 2: (6 hrs)

- Select two courses from the Theories Group, one of which must be a WST prefixed course.

#### WST 3371 Women and Leadership

- 3 hrs

#### WST 3500 Gender Issues and Community Activism

- 3 hrs

#### WST 4002 Research in Women and Gender Studies

- 3 hrs

#### WST 4021 Girls and Leadership

- 3 hrs

#### WST 4349 Ecofeminism

- 3 hrs

#### WST 4023 Virtual Girls

- 3 hrs

#### WST 4022 Girls and the Body

- 3 hrs

### Representations of Women

- **Women's Studies Disciplinary Approaches**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3561</td>
<td>Women in American History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 3562</td>
<td>Women in American History II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4304</td>
<td>Women in China</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4610</td>
<td>Women in European Society: From Medieval to Modern</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 4680</td>
<td>Women in American Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3510</td>
<td>Notable Women in Jewish History</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Women's History

- **Representations of Women**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3283</td>
<td>Contemporary American Women's Fiction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4871</td>
<td>Women in Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3880C</td>
<td>Images of Women in Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3383</td>
<td>Women in Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3623</td>
<td>Hispanic Women Writers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3022</td>
<td>Sexuality, Gender &amp; Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3381</td>
<td>Women Writers of Color</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3286</td>
<td>Early American Women's Words</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4374</td>
<td>Gendered Rhetorics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3272</td>
<td>What a Drag: The Art of Transgender in Entertainment</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Women's Wellness

- **Representations of Women**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 3184</td>
<td>Women's Mental Health</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NSP 4425</td>
<td>Women's Health Issues</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3742</td>
<td>Psychology of Women</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Gender and Social Policy

- **Representations of Women**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4681</td>
<td>Domestic Violence and the Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPD 4710</td>
<td>Women in Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4085</td>
<td>Women, Gender, and Globalization</td>
<td>3 hrs</td>
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<tr>
<td>PUP 3325</td>
<td>Women and Political Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4323</td>
<td>Women and Public Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 4810</td>
<td>Women in Contemporary Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 4813</td>
<td>Women, Law and Social Change</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 4100</td>
<td>Family Trends</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 3800</td>
<td>Sex and Gender in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3629</td>
<td>Family Values</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3020</td>
<td>Philosophy of Love</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18
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.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- IDS 3333 World Comparative Studies 3 hrs

**Restricted Electives**
- Thematic Concentrations: Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program adviser. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor without permission of the Interdisciplinary Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

**Language and Culture**
- Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.
  - AML 3615 Harlem, Haiti, and Havana 3 hrs
  - ANT 3610 Language and Culture 3 hrs
  - ANT 3146 Archaeology of Complex Societies 3 hrs
  - ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs
  - ANT 3212 Peoples of the World 3 hrs
  - ANT 4702 Culture, Inequality and Global Development 3 hrs
  - FSS 3008 Culture and Cuisine 3 hrs
  - HFT 4866C Exploring Wines of the World 3 hrs
  - HFT 3868 History and Culture of Wine 3 hrs
  - HFT 4894 International Gastronomy 3 hrs
  - REL 3363 Islam 3 hrs
  - FIL 3842 International Cinema 3 hrs

**Economics**
- ANT 4702 Culture, Inequality and Global Development 3 hrs
- ECO 3703 International Microeconomics 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECS 4013 Development Economics 3 hrs
- ECP 3302 Economics and the Environment 3 hrs
- HFT 3700 Tourism Management 3 hrs
- INR 4035 International Political Economy 3 hrs

**Social Structure and Change**
- ANR 3145 Archaeology of Complex Societies 3 hrs
- ANT 3273 Law and Culture 3 hrs
- ANT 4702 Culture, Inequality and Global Development 3 hrs
- PLA 4830 World Legal Systems 3 hrs
- SYF 4454 Global Inequality and Society 3 hrs

**Media and Communication**
- FIL 3845 World Cinema Traditions 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- LIN 4643 Cross Cultural Communication 3 hrs
- THE 4212 Global Theatre 3 hrs
- FIL 3842 International Cinema 3 hrs

**World Independent Specialization**
- Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

**Foreign Language Requirements**
- Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

**Minimum Overall GPA**
- A grade of “C” (2.0) or above is required in each course used to satisfy the minor.
- At least 18 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- A grade of “C” (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 in the minor.

**World Languages Education - English for Speakers of Other Languages (ESOL) - Minor**

College of Education and Human Performance

School of Teaching, Learning, and Leadership

Irina McLaughlin, irina.mclaughlin@ucf.edu

World Languages Education - English for Speakers of Other Languages (ESOL) Education minor is intended for College of Education and Human Performance students in undergraduate initial certification programs. The World Languages Education - ESOL minor is intended for Education majors and is well suited for College of Education and Human Performance students majoring in secondary content areas. This minor is not available to students in pending status in a College of Education and Human Performance major. Students who successfully complete this minor can expect to increase their marketability in educational professions that serve English learners. This minor is designed to promote student success in Pre-K through 12 instructional settings but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

**Admission Requirements**
- Minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or the equivalent i.e., an AA degree from a Florida College System or State University System institution.
Minors

Required Courses (18 hrs)

EDG 4410  Teaching Strategies and Classroom Management  3 hrs
EDG 4467  Learning Theory and Assessment  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL  3 hrs
TSL 4943  L2 Academic Language Instruction  3 hrs
TSL 4942  ESOL Field Experience  3 hrs

Total Semester Hours Required 18

Other Requirements None

Writing and Rhetoric - Minor

College of Arts and Humanities

Department of Writing and Rhetoric,
Colbourn Hall, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/

Dr. Laurie A. Pinkert, Program Director, Laurie.Pinkert@ucf.edu,
407-823-1057

Adele Richardson, Program Advisor, adele@ucf.edu, 407-823-0349
Dr. Marcy Galbreath, Program Advisor, Marcy.Galbreath@ucf.edu,
407-823-0745

The Minor in Writing and Rhetoric will provide students with the in-depth study and practice of writing and rhetoric. The curriculum emphasizes civic, professional, and digital writing.

Minor Admission Requirements

Transfer Notes

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Students must provide all supporting information.

Minor Requirements

■ Students should work with a department academic advisor to select courses that support the students’ intended career or path post-graduation.

■ Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

Prerequisite Courses

■ None

Required Courses (3 hrs)

ENC 3314  Writing and Rhetoric Foundations  3 hrs

Restricted Electives (15 hrs)

Theories and Histories of Writing, Rhetoric, and Literacy

■ Students must take at least one course from the following:

ENC 3315  Argumentative Writing  3 hrs
ENC 3330  Rhetorical Traditions  3 hrs
ENC 3373  Cultural Rhetorics  3 hrs
ENC 3417  Literacy and Technology  3 hrs
ENC 3503  Topics in Writing & Literacy Studies  3 hrs
ENC 3521  Writing Across Difference  3 hrs
ENC 4374  Gendered Rhetorics  3 hrs
ENC 4434  Visual and Material Rhetorics  3 hrs
ENC 4504  Contemporary Composition Theory  3 hrs

World Languages Education - Languages Other Than English (LOTE) - Minor

College of Education and Human Performance

School of Teaching, Learning, and Leadership,
Education Complex, Room: 220L
http://education.ucf.edu/language

Dr. Karen Verkler, Karen.Verkler@ucf.edu, 407-823-5235

The World Languages Education - Languages Other Than English (LOTE) minor is intended for non-World Languages Education - Languages Other Than English (LOTE) majors. It is well suited for College of Education and Human Performance students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education and Human Performance (such as students enrolled in Interdisciplinary Studies, International and Global Studies, or programs in the Department of Modern Languages and Literatures) a limited but substantial experience in the field of professional education. This minor is not available to students in pending status in a College of Education and Human Performance major. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the K-12 school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

Minor Admission Requirements

■ Minimum 2.5 overall GPA.
■ Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from a Florida College System or State University System institution.

Minor Requirements

■ Students should see an advisor prior to registering for classes. Students must complete 18 hrs of language courses as co-requisites. A grade of “C” (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses

■ None
### Applications of Writing and Rhetoric 6 hrs

- Students must take at least two courses from the following two groups. Students can take one course from each group or two courses from one of the groups.

#### Civic and Cultural Rhetoric and Writing
- ENC 3311 Essay as Cultural Commentary 3 hrs
- ENC 3372 Topics in Civic Rhetoric and Writing 3 hrs
- ENC 3375 Rhetoric in Popular Culture 3 hrs
- ENC 4353 Writing for Social Change 3 hrs
- ENC 4354 Writing with Communities and Nonprofits 3 hrs
- ENC 4378 Writing in Global and Transnational Contexts 3 hrs

#### Professional and Digital Writing
- ENC 3250 Professional Writing 3 hrs
- ENC 3351 Writing for Publication 3 hrs
- ENC 3417 Literacy and Technology 3 hrs
- ENC 3433 Multimedia Writing and Composition 3 hrs
- ENC 3453 Writing About Health and Medicine 3 hrs
- ENC 3454 Topics in Professional and Digital Writing 3 hrs
- ENC 3455 Writing about Science and Technology 3 hrs
- ENC 3473 Writing in Disciplinary Cultures 1 hr
- ENC 4212 Professional Editing 3 hrs
- ENC 4416 Writing in Digital Environments 3 hrs
- ENC 4275 Theory and Practice of Tutoring Writing 3 hrs
- ENG 3833 Marketing Your Writing 3 hrs
- LIN 3673 Rhetorical Grammar 3 hrs

### Additional Restricted Electives 6 hrs

- Students must take at least 6 hours from the following:
  - Any 3000 or 4000 level ENC, LIN, or CRW course not used to satisfy another requirement of the minor.
  - Any 3000 or 4000 level writing-intensive course approved by the program director. See program director or advisor for list of approved courses.

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- Students must earn a minimum 2.5 GPA in coursework used to satisfy the minor.
- A grade of “C+” (2.25) or better is required in each course used to satisfy the minor.
- At least 12 hours used to satisfy the minor must be taken from the Department of Writing and Rhetoric at UCF.
Aging Studies - Certificate
College of Health and Public Affairs
School of Social Work,
Health and Public Affairs I, Room: 204
Email: socialwk@ucf.edu
Dr. Denise Gammonley
Phone: 407-823-2114

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ A required internship, along with course options that include service-learning activities, complements the web-based courses.
■ Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses
■ None

Required Courses (6 hrs)
■ GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs

Required Internship: (Select one) 3 hrs
■ SOW 4510 Field Education 9 hrs
■ HSA 4941 Internship 9 hrs
■ PSY 3951 Undergraduate Field Work 3 hrs
■ SYP 4941 Internship 3 hrs

Restricted Electives (9 hrs)
■ Students select three additional courses from the following courses: A maximum of two courses must be taken in the College of Health and Public Affairs and at least one course must be taken from other colleges.

College of Health and Public Affairs 6 hrs
■ HSA 4220 Long Term Patient Management 3 hrs
■ HSA 3222 Long Term Care and Administration 3 hrs
■ HSC 4564 Health Care Needs of the Elderly 3 hrs
■ PLA 4530 Legal Issues of the Elderly 3 hrs
■ SOW 4645 Social Services for the Elderly 3 hrs
■ NUR 4286 Gerontologic Nursing 3 hrs
■ SYP 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs

Other Colleges 3 hrs
■ DEP 3464 Psychology of Aging 3 hrs
■ SYP 4730 Patterns of Aging in Society 3 hrs
■ 1 GEY 5007 Women and Healthy Aging 3 hrs
■ SYP 4732 Minority Aging 3 hrs

1 Open to undergraduates with senior standing

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Anthropology of Global Health - Certificate
College of Sciences
Department of Anthropology
http://www.cos.ucf.edu/anthropology
Email: anthro@ucf.edu
Dr. Joanna Mishtal
Phone: 407-823-2227

The Anthropology of Global Health Certificate offers students the opportunity to pursue the rapidly growing field of global health from an anthropological perspective, which examines global health problems by situating them in local contexts. Global health issues such as refugee health, global mental health, and emergent “superbugs” (e.g., Ebola, Zika), are of increasing concern and interest. Health is also the focus of the work of numerous public, private, non-governmental and non-profit organizations in the U.S. and abroad. This Certificate allows UCF students in any major interested in health to pursue this educational focus.

Admission Requirements
■ None

Certificate Requirements
■ A minimum overall 2.0 GPA is required in courses used to satisfy requirement.
■ At least 12 hours used toward the certificate must be earned at UCF.
■ Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the required Anthropology Major courses.

Prerequisite Courses
■ None

Required Courses (6 hrs)
■ Students must satisfy the prerequisites, if any, for each course before enrolling in the class.
■ ANT 4480 Global Health in Anthropological Perspective 3 hrs

Choose one of the following:
■ ANT 4408 Culture, Disease, and Healing or 3 hrs
■ INR 2002 International Relations-Theory and Practice 3 hrs

Restricted Electives (9 hrs)
■ Students select 3 additional courses from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3701</td>
<td>Engagement &amp; Social Change: Public Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4013</td>
<td>Anthropology of Fast Food</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4702</td>
<td>Culture, Inequality and Global Development</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4462</td>
<td>Medical Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4467</td>
<td>Nutritional Anthropology</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4481</td>
<td>Anthropology of Drugs and Addiction</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4482</td>
<td>Anthropology of Mental Health</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4483</td>
<td>Health and Healing in the Ancient World: An Anthropological Perspective</td>
<td>3 hrs</td>
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<tr>
<td>COM 4550</td>
<td>Health Communication Campaigns</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3034</td>
<td>Politics of Developing Areas</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3103</td>
<td>Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3453</td>
<td>Writing About Health and Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4378</td>
<td>Writing in Global and Transnational Contexts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEO 3471</td>
<td>World Political Geography</td>
<td>3 hrs</td>
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<tr>
<td>HSA 3012</td>
<td>Issues &amp; Trends in Public Health</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4201</td>
<td>Community Health</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Certificates

Behavioral Forensics - Certificate

College of Sciences

Department of Psychology,

Psychology Building, Room: 301

http://psychology.cos.ucf.edu

Email: kmottare@ucf.edu

Dr. Karen Mottarella

This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

Certificate Admission Requirements

□ None

Certificate Requirements

□ A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
□ Grades below “C” (2.0) in lower level courses are not accepted.
□ At least 12 hours used in the certificate must be earned at UCF.

Prerequisite Courses

(12 hrs)

□ Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Take all of the following:

(6 hrs)

□ Complete both:
  PSY 2012 General Psychology and
  SYG 2000 Introduction to Sociology

Other Requirements

□ None

Total Semester Hours Required

15

Foreign Language Requirements

□ None

Certificates

Take all of the following:

6 hrs

□ Complete both classes:
  PPE 3003 Personality Theory and Research and
  SYP 3510 Sociology of Deviant Behavior

Required Courses

(9 hrs)

□ CLP 4390 Forensic Psychology
□ SOP 3751 Legal Aspects of Psychology
□ SYP 3520 Criminology

Restricted Electives

(12 hrs)

□ Note: It is the student’s responsibility to meet all prerequisites for every course selected

Psychology: Select from the following:

3 hrs

□ CLP 3143 Abnormal Psychology
□ CLP 3302 Clinical Psychology
□ CLP 4134 Childhood Psychopathology
□ PCO 4203 Interviewing and Counseling

Sociology: Select from the following:

6 hrs

□ SYP 3511 Sociology of Murder
□ SYP 3530 Juvenile Delinquency
□ SYP 3540 Sociology of Law
□ SYP 3562 Patterns of Domestic Violence in Society
□ SYP 4514 Patterns of Violence in Society
□ SYP 4521 Crime Victims in Society
□ SYP 4536 Gangs and Society

Criminal Justice: Select from the following:

3 hrs

□ CJE 4012 Criminal Profiling in Criminal Justice
□ CJE 4630 Serial Murder and Criminal Justice
□ CCJ 3014 Crime in America
□ CCJ 3024 Criminal Justice System
□ CCJ 3667 Victims and the CJ System
□ CCJ 4670 Women and Crime
□ CCJ 4681 Domestic Violence and the Justice System
□ CCJ 4690 Sex Offenders and the Criminal Justice System

Foreign Language Requirements

□ None

Total Semester Hours Required

33

Other Requirements

□ No credit by exam (TSD, Military credit) may be used.
□ Internship, Co-op, or Independent Study credit cannot be used toward the certificate without prior consent.
□ Lower division courses do not substitute for upper division courses.

Children’s Services - Certificate

College of Health and Public Affairs

School of Social Work, Health and Public Affairs I,

Room: 204

Email: socialwk@ucf.edu

BSW Coordinator

Phone: 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 practice considerations in providing services to children and families. Students are prepared to identify a variety of problems such as child abuse, neglect, childhood trauma, and family dynamics essential for identifying service delivery to this population. The certificate includes both classroom academic work and a specialized field internship. This certificate assists in improving services to children and their families. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

□ Must be a BSW major.

Certificate Requirements

□ Placement in an agency that serves children.
□ Students need to discuss their interest in the certificate with the field office when BSW placements are being arranged.

UNIVERSITY OF CENTRAL FLORIDA
## Certificates

### Crime Analysis and Crime Mapping - Certificate

**College of Health and Public Affairs**  
**Department of Criminal Justice,**  
**Health and Public Affairs I, Room: 311**  
**Email: cjadvice@ucf.edu**  
R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- Students are required to take courses as specified below and to declare the Certificate.
- There are no certificate program prerequisites; however individual courses may have prerequisites.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJE 3663</td>
<td>Crime Mapping and Pattern Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4572</td>
<td>Justice Agency Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4352</td>
<td>Policy Development in Law Enforcement</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4076</td>
<td>Crime Intelligence and Investigative Support Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4509</td>
<td>Crime Intelligence and Investigative Support</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3451</td>
<td>Justice System Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 3444</td>
<td>Crime Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4654</td>
<td>Crime and Place</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4550</td>
<td>The Criminal Justice Manager</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4552</td>
<td>Criminal Justice Manager</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

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### Civics Teaching - Certificate

**College of Sciences**  
**College of Education and Human Performance**  
**Department of Political Science**  
**School of Teaching, Learning, and Leadership**  
[http://politics.cos.ucf.edu](http://politics.cos.ucf.edu)  
[http://education.ucf.edu](http://education.ucf.edu)  
**Email: politics@ucf.edu**  
**Email: socsci@ucf.edu**  
Dr. Terri Susan Fine  
Dr. Scott Waring

The Civics Teaching certificate will provide pre-service teachers with complementary, civics teaching-focused coursework that will build on and enhance the Social Science Education B.S. program. Individuals enrolled in the Civics Teaching certificate program will learn the substantive content, skills and pedagogical tools needed to deliver instruction explicitly linked to the 7th grade Civics End of Course Assessment in Florida. Certificate will be awarded only at the time of degree completion.

#### Admission Requirements
- 3.0 overall GPA
- Social Science Education B.S. major (pending or admitted)
- Completion of POS 2041 with a grade of “C” (2.0) or better
- Admission by application which will include a letter of intent and a current transcript
- Junior or senior standing

#### Certificate Requirements
- A minimum overall 3.0 GPA is required in all courses used to satisfy requirements.
- All 12 credit hours used towards the certificate must be earned at UCF.

### Prerequisite Courses
- None

#### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 4700</td>
<td>Teaching American Politics and Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 3272</td>
<td>Civic Engagement</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 4941</td>
<td>Political Science Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 4323</td>
<td>Teaching Civics in Florida</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 12

### Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

---

### Crime Analysis and Crime Mapping - Certificate

#### College of Health and Public Affairs

- **Department of Criminal Justice,**  
- **Health and Public Affairs I, Room: 311**  
- **Email: cjadvice@ucf.edu**  
- R. Cory Watkins, 407-823-2603

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### Civics Teaching - Certificate

#### College of Sciences

- **College of Education and Human Performance**  
- **Department of Political Science**  
- **School of Teaching, Learning, and Leadership**  
- [http://education.ucf.edu](http://education.ucf.edu)  
- [http://politics.cos.ucf.edu](http://politics.cos.ucf.edu)  
- **Email: politics@ucf.edu**  
- **Email: socsci@ucf.edu**  
- Dr. Terri Susan Fine  
- Dr. Scott Waring

---

### Prerequisite Courses
- None

#### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 3352</td>
<td>Practice II: Interpersonal Skills in Social Work</td>
</tr>
<tr>
<td>SOW 4510</td>
<td>Field Education or Internship</td>
</tr>
<tr>
<td>SOW 4941</td>
<td>Internship</td>
</tr>
<tr>
<td>SOW 4650</td>
<td>Child Abuse: Treatment and Prevention</td>
</tr>
<tr>
<td>SOW 4654</td>
<td>Children’s Services</td>
</tr>
<tr>
<td>POS 4941</td>
<td>Internship</td>
</tr>
<tr>
<td>POS 3272</td>
<td>Civic Engagement</td>
</tr>
<tr>
<td>POS 4700</td>
<td>Teaching American Politics and Government</td>
</tr>
<tr>
<td>SSE 4323</td>
<td>Teaching Civics in Florida</td>
</tr>
</tbody>
</table>

---

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- No credit by exam (TSD, Military credit) may be used.
Crime Scene Investigation - Certificate
College of Health and Public Affairs
College of Sciences
Department of Criminal Justice, Health and Public Affairs I, Room: 311
Department of Anthropology, Phillips Hall, Room: 403
Dr. John Schultz, jschultz@ucf.edu, 407-823-2618
Dr. Mark Winton, cjadvise@ucf.edu, 407-823-2603

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- 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.

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

Required Courses (12 hrs)
- Note: some courses have limited offerings, and should be taken when available.
  - ANT 4193 Archaeological Sciences 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
  - CJE 4610 Criminal Investigation 3 hrs

Restricted Electives (3 hrs)
- Select from the following courses:
  - ANT 4150 Archaeological Method and Theory 3 hrs
  - CCJ 4195 Interviews & Interrogations in CJ 3 hrs
  - CHS 3501 Introduction to Forensic Science 3 hrs
  - CJE 4630 Serial Murder and Criminal Justice 3 hrs
  - SYP 3511 Sociology of Murder 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- Course substitutions must be approved by both departments in advance.

Criminal Justice Management and Leadership - Certificate
College of Health and Public Affairs
Department of Criminal Justice, Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Dr. Jeff Rosky, 407-823-2603

Management and Leadership skills are required for personnel seeking to move into positions of authority within criminal justice agencies across local, state, federal and international jurisdictions. Leaders of these agencies should be prepared to meet the challenges of the 21st century regarding administration of human resources, personnel supervision, development, implementation and evaluation of policies, and fiscal management including budgeting and planning. The Undergraduate Certificate in Criminal Justice Management and Leadership is designed to provide a theoretical and practical knowledge-base for students with a desire to gain skills necessary to advance their careers in criminal justice agencies. This certificate requires 18 credits of undergraduate coursework. Four of the courses are in Criminal Justice and two are in Public Administration.

Admission Requirements
- Undergraduate degree seeking student

Certificate Requirements
- Students are required to declare the certificate and take courses as specified below

Prerequisite Courses
- See course catalog for specific requirements

Required Courses
- CCJ 3450 The Criminal Justice Manager 3 hrs
- CJE 4572 Justice Agency Operations 3 hrs
- CJE 4630 Serial Murder and Criminal Justice 3 hrs
- CJE 4653 Criminal Profiling in Criminal Justice 3 hrs
- CJE 4656 Criminal Investigation 3 hrs

Restricted Electives
- Select two of the following:
  - PAD 3003 Public Administration in American Society 3 hrs
  - PAD 4104 Administrative Theory 3 hrs
  - PAD 4204 Fiscal Management 3 hrs
  - PAD 4414 Human Resource Administration 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students must earn a grade of “C” or better in each course in the certificate program
- 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.

Criminal Profiling - Certificate
College of Health and Public Affairs
Department of Criminal Justice, Health and Public Affairs I, Room: 311
Mark Winton, cjadvise@ucf.edu, 407-823-2603

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today’s law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for which profiling is most useful. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate program prerequisites; however individual courses may have prerequisites.
### Certificates

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 3143</td>
<td>Abnormal Psychology</td>
</tr>
<tr>
<td>CJE 4630</td>
<td>Serial Murder and Criminal Justice</td>
</tr>
<tr>
<td>CCJ 4690</td>
<td>Sex Offenders and the Criminal Justice System</td>
</tr>
<tr>
<td>CJE 4012</td>
<td>Criminal Profiling in Criminal Justice</td>
</tr>
</tbody>
</table>

**Restricted Electives** (3 hrs)

- Select one of the following:
  - DSC 4012: Terrorism | 3 hrs |
  - CJE 4610: Criminal Investigation | 3 hrs |
  - CCJ 4195: Interviews & Interrogations in CJ | 3 hrs |

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

### Cyber Operations - Certificate

**College of Engineering and Computer Science**

**Department of Computer Science**

Dr. Thomas Nedorost, nedorost@eecs.ucf.edu

This certificate distinguishes those students with special training in cyber operations. Recommended for students majoring in Computer Science, Information Technology, and Computer Engineering seeking additional academic content in cyber security.

**Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (30 hrs)

- COP 3502C: Computer Science I | 3 hrs |
- CIS 3360: Security in Computing | 3 hrs |
- CIS 3362: Cryptography and Information Security | 3 hrs |
- CIS 4615: Secure Software Development and Assurance | 3 hrs |
- CIS 4940C: Topics in Cybersecurity | 3 hrs |
- CAP 4145: Introduction to Malware Analysis | 3 hrs |

**Select 1:**

- COT 3100C: Introduction to Discrete Structures or MAD 2104: Foundations of Discrete Math | 3 hrs |

**Select 1:**

- COP 4600: Operating Systems or CGS 3763: Operating System Concepts | 3 hrs |

**Select 1:**

- CNT 4704: Analysis of Computer Communication Networks or EEL 4781: Computer Communication Networks | 3 hrs |

**Select one of the following sequences of courses:**

- CDA 3103C: Computer Logic and Organization and EEL 4768: Computer Architecture | 3 hrs |
- or EEL 3801C: Computer Organization and EEL 4768: Computer Architecture | 4 hrs |
- or CDA 3103C: Computer Logic and Organization and EEL 4768: Computer Architecture | 3 hrs |

**Restricted Electives** (9 hrs)

- CAP 3104: Foundations of HCI | 3 hrs |
- CIS 4203C: Digital Forensics | 3 hrs |
- CIS 4524: Managing IT Integration | 3 hrs |
- CNT 4714: Enterprise Computing | 3 hrs |
- COP 3402: Systems Software | 3 hrs |
- EEE 4346C: Hardware Security and Trusted Circuit Design | 3 hrs |
- EEL 4783: Hardware Description Languages in Digital Systems Design | 3 hrs |
- EEL 5722C: Field-Programmable Gate Array (FPGA) Design | 3 hrs |

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 39

**Other Requirements**
- A grade of "C" (2.0) or better is required in each course toward this certificate.
- A student may not earn both the Cyber Operations Certificate and the Secure Computing and Networks Minor.
- Total hours required may vary based on courses selected to meet requirements.

### Diplomacy - Certificate

**College of Sciences**

**College of Arts and Humanities**

**Department of Political Science, Howard Phillips Hall, Room: 302**

http://politicalscience.cos.ucf.edu/

Dr. R. Handberg, Roger.Handberg@ucf.edu, (407) 823-2608

Peter Larson, History@ucf.edu, (407) 823-2225

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice. For degree-seeking students, certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses** (9 hrs)

- AMH 4513: United States as a Great Power: 1945-Present | 3 hrs |
- INR 4030: Diplomacy | 3 hrs |
- INR 4102: American Foreign Policy | 3 hrs |

**Restricted Electives** (6 hrs)

- Select two courses from the following list: | 6 hrs |
- AMH 4512: US Diplomatic History: 1914-1945 or EUH 4620: European Great Powers: 1815-1914 or INR 4054: Global Politics of Energy or INR 4074: Immigration Policy or INR 4075: Human Rights Policy or INR 4076: Global Drug Policy or INR 4084: Politics of International Terrorism or INR 4104: Topics and Cases in American Foreign Policy or INR 4114: American Security Policy or INR 4115: Strategic Weapons and Arms Control
### Engineering Leadership - Certificate

**College of Engineering and Computer Science**

Dr. Timothy Kotnour, Timothy.Kotnour@ucf.edu, 407-823-5645

Provides a knowledge base in technical leadership and management principles and practices in a technical environment. This certificate is designed to enhance the student's marketability, preparation and career viability as they enter the engineering and computer science professions.

#### Admission Requirements

- Students must have a declared Computer Science or engineering major. Not open to students in engineering pending majors.

#### Certificate Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 3030</td>
<td>Leadership in Engineering I</td>
<td>0 hrs</td>
</tr>
<tr>
<td>EGS 3031</td>
<td>Leadership in Engineering II</td>
<td>0 hrs</td>
</tr>
<tr>
<td>EGS 4950</td>
<td>Engineering Leadership Capstone</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Pick 2 of the following courses (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT 4183</td>
<td>Technological Entrepreneurship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGS 4624</td>
<td>Engineering Innovation and Leadership</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Engineering Leadership Capstone

#### Restricted Electives

- None

#### Foreign Language Requirements

- None

### Entrepreneurship - Certificate

**College of Business Administration**

**Department of Management,**

**Business Administration I, Room: 309**

Open to Business and Non-Business Students

[http://www.cel.ucf.edu](http://www.cel.ucf.edu)

Dr. Cameron Ford, cford@ucf.edu, 407-823-5569

Entrepreneurial thinking skills that help individuals recognize opportunities, create solutions, and implement plans are essential to professional success and long-term career security. This certificate introduces students to models, methods, and skills associated with developing successful startups and new social, corporate, and government ventures. The certificate is open to students from all majors who want to learn how to turn their ideas into viable projects, startups, and new ventures.

#### Admission Requirements

- None

#### Certificate Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (6 hrs)

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<tr>
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</tr>
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<tbody>
<tr>
<td>ENT 3613</td>
<td>Creativity and Entrepreneurship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4183</td>
<td>Technological Entrepreneurship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4412</td>
<td>Managing Small Business Finances</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4503</td>
<td>Social Entrepreneurship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4906</td>
<td>Directed Independent Study</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4942</td>
<td>Entrepreneurial Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4046</td>
<td>Teamwork, Collaboration, and Group Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4143</td>
<td>Leadership Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3407</td>
<td>Contemporary Selling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3765</td>
<td>Entrepreneurial Marketing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Students may substitute ENT 5016-New Venture Design for ENT 4013-New Venture Design, and/or ENT 5206-New Venture Implementation for ENT 4014-New Venture Implementation with the consent of the graduate course instructor. Contact the program coordinator for more information.

#### Restricted Electives (6 hrs)

Select 2:

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>

1 Requires completion of the College of Business Common Program Prerequisites and Primary Core as prerequisites. Therefore, these courses are not available to non-business majors.

2 Independent study requires students to develop a portfolio of new venture deliverables that demonstrate specific entrepreneurship competencies. Competencies addressed, milestones completed, and deliverables required will be determined in consultation with supervising faculty. Details regarding independent study opportunities are available at www.cel.ucf.edu.

3 Internships must be in collaboration with a local startup, small business, or entrepreneurship support organization. Internship packets are available in the Management Department (BA1-309).

#### Foreign Language Requirements

- None

### Undergraduate Catalog 2017-2018
Certificates

- At least nine hours used in the certificate must be earned at UCF.
- No Credit by Exam (TSD, Military credit) may be used.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Finance: Banking - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator and a banking faculty member.

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIN 4324 Commercial Bank Management 3 hrs
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs

Select 1:
- MAR 3391 Professional Selling 3 hrs
- FIN 4941 Finance Internship 3 hrs

Restricted Electives
- None

Finance: Corporate Finance - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIN 4504 Equity and Capital Markets 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4941 Finance Internship 3 hrs

Restricted Electives
- None

Finance: Investments - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://www.bus.ucf.edu/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded at only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4941 Finance Internship 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs

Restricted Electives
- None

Gender Studies - Certificate
College of Arts and Humanities
Program in Women’s and Gender Studies,
Colbourn Hall, Room: 118
http://wgst.cah.ucf.edu/
Email: womenst@ucf.edu
Dr. M.C. Santana
Phone: 407-823-6502

The certificate program in Gender Studies is designed to provide students with a foundation for discussions of gender, sexuality, and other intersectionalities through a historical and cultural lens, with an awareness of the fluidity of gendered identities and the diversity of gendered experiences.

Certificate Admission Requirements
- None
## Certificate Requirements
- Students cannot earn the Gender Studies certificate and the Women's and Gender Studies minor.

### Prerequisite Courses
- None

### Required Courses
- **(3 hrs)**
  - WST 3003 Introduction to Gender Studies

### Restricted Electives
- **(9 hrs)**
  - Students can select from the restricted electives listed for a total of 9 hours.
  - WST 3021 Theories of Masculinity
  - WST 3500 Gender Issues and Community Activism
  - WST 4002 Research in Women and Gender Studies
  - HUM 4823 Queer Theory in the Humanities
  - HUM 3326 Theories of Sex and Gender in Humanities
  - ENC 4374 Gendered Rhetorics
  - THE 3272 What a Drag: The Art of Transgender in Entertainment
  - COM 4014 Gender Issues in Communication
  - ANT 3302 Sex, Gender and Culture
  - SYD 3800 Sex and Gender in Society
  - WST 4941 Internship
  - PHM 3022 Sexuality, Gender & Philosophy

- Internship required by a student’s major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women’s issues.

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 12

### Other Requirements
- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades of “C” (2.0) or better is required in each course used to satisfy the Gender Studies Certificate.
- At least 9 hours used in the certificate must be earned at UCF.

### Geographic Information Systems - Certificate

#### College of Undergraduate Studies

#### Office of Interdisciplinary Studies

Dr. Timothy Hawthorne, timothy.hawthorne@ucf.edu, 407-823-1030

GIS is an essential research tool for a wide range of disciplines because it allows researchers to work with different kinds of information in a spatial context. The GIS certificate program focuses on developing students’ basic understanding and specific applications of GIS in a variety of contexts.

### Admission Requirements
- None

### Certificate Requirements
- None

### GIS Certificate Requirements
- **12 hrs**
  - Two Core courses (6 hours)
  - Two courses of elective coursework (6 hours)

#### First Core Courses
- **Choose 1 course from among the courses below**
  - ANT 4852 GIS Methods in Anthropology
  - ANG 5852 GIS Methods in Anthropology
  - GIS 3043C GIS for Environmental Studies
  - PAD 4712 Information Systems for Public Managers
  - POB 4764 GIS for Political Analysis
  - SYA 3352 Spatial Sociology I: Intro to GIS

#### Second Core Courses
- **Choose 1 course from among the courses below**
  - GIS 4301C Advanced GIS Applications in Environmental Studies
  - SYA 4354 Geographic Information Systems
  - ANG 4854 Advanced GIS Methods in Anthropology

### Elective Courses
- **Choose 2 courses from among the elective courses below**, Other courses may be substituted with permission of the Coordinator.
  - BSC 4852 Biogeography
  - CGN 3700C Civil Engineering Measurements
  - CJE 4654 Crime and Place
  - CJE 4663 Crime Mapping and Pattern Analysis
  - CJE 3662 CJ Information Technology and Data Management
  - CWR 5634 Water Resources In A Changing Environment
  - EEL 5432 Satellite Remote Sensing
  - EEL 5820 Image Processing
  - HFT 4735 Tourism Geography
  - HUM 4394
  - LIT 3206 Place and Space in Literature
  - OSE 4830 Imaging and Display
  - PCB 4408 Urban Ecology
  - PUP 4209 Urban Environmental Policy

- Only one of the following two Database courses may be chosen
  - CET 4427 Applied Database I
  - GCS 2545C Database Concepts

- Only one of the following three Computer Science courses may be chosen
  - COP 2500C Concepts in Computer Science
  - COP 3223C Introduction to Programming with C
  - COP 3223H Honors Introduction to Programming with C

### Prerequisite Courses
- None

### Required Courses
- None

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 12

### 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.

### Health Communication - Certificate

#### College of Sciences

Nicholson School of Communication

Email: nassc@ucf.edu
Phone: 407-823-2681

The certificate in health communication has a dual focus: 1) it is designed to provide students in health-related fields training in facilitating health communication processes; 2) it allows communication students to demonstrate that they have conceptual and applied knowledge about the role of communication in health care.

### Admission Requirements
- None

### Certificate Requirements
- Certificates will be awarded only at the time of degree completion.

### Prerequisite Courses
- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor. Exceptions are identified below.
### Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3022</td>
<td>Health Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4550</td>
<td>Health Communication Campaigns</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 2004</td>
<td>Mass Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4000</td>
<td>Public Relations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives (3 hrs)

Choose from the following:
- **ANT 4408** Culture, Disease, and Healing (3 hrs)
- **ANT 4462** Medical Anthropology (3 hrs)
- **COM 3120** Organizational Communication (3 hrs)
- **COM 3330** Computer Mediated Communication (3 hrs)
- **HSA 3012** Issues & Trends in Public Health (3 hrs)
- **HSA 3111** U.S. Health Care Systems (3 hrs)
- **HSC 4201** Community Health (3 hrs)
- **RTV 4403** Electronic Media, Technology, and Society (3 hrs)
- **SPC 4540** Persuasion and Communication (3 hrs)

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 15

### Other Requirements
- No more than three credit hours from the Health Communication Certificate may be used to satisfy internal restricted electives of the Human Communication (formerly Interpersonal-Organizational) major.
- Communication majors must take their elective outside of the school of communication.

### Hispanic/Latino Media - Certificate

**College of Sciences**

**Nicholson School of Communication**

**Email:** nassc@ucf.edu  
**Phone:** 407-823-2681

The certificate in Hispanic/Latino Media has a dual focus: 1) it is designed to provide students in media-related fields training in how to serve diverse audiences; 2) it allows non-communication students to demonstrate that they have conceptual and applied knowledge about the role of Hispanic/Latino media and how it impacts a growing multicultural environment.

### Admission Requirements
- None

### Certificate Requirements
- Certificates will be awarded only at the time of degree completion.

### Prerequisite Courses
- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

### Required Courses

- **MMC 4303** Hispanics in Media in the US (3 hrs)

### Restricted Electives

Choose Track A or Track B

#### Track A:

Choose 1 from Communication: 3 hrs
- **MMC 4602** Contemporary Media Issues or 3 hrs
- **MMC 4300** International Media 3 hrs

Choose 2 from Latin American Studies: 6 hrs
- **LAS 3101** Latin American Popular Culture or 3 hrs
- **LAS 3002** Topics in Latin American Studies 3 hrs
- Student may also take 3 hrs study abroad course in Spain or Latin America with approval.

#### Track B:

Student must take: 9 hrs
- **JOU 3951** Knightly Latino: Spanish Language News and Techniques 3 hrs
- **SPT 3805** Spanish Translation and Interpretation for Mass Communication and 3 hrs
- **SPN 4410** Advanced Spanish Conversation 3 hrs

### Choose 1 from Latin American Studies: 3 hrs

- **LAS 3101** Latin American Popular Culture or 3 hrs
- **LAS 3002** Topics in Latin American Studies 3 hrs
  - Student may also take a (3hr) study abroad course in Spain or Latin America with approval.

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 12

### Other Requirements
- No more than three credit hours from the Hispanic/Latino Media Certificate may be used to satisfy internal restricted electives of the Journalism, Radio-TV, Ad-PR or Human Communication major.

### Human Biology - Certificate

**College of Sciences**

**Department of Anthropology**

[http://cos.ucf.edu/anthropology](http://cos.ucf.edu/anthropology)

**Department of Biology**

[http://cos.ucf.edu/biology](http://cos.ucf.edu/biology)

**Dr. John Schultz, John.Schultz@ucf.edu**

The Human Biology certificate blends biological anthropology with a foundation in anatomy and the biological sciences. The minor is especially appropriate for anthropology, biology, and biomedical sciences students seeking an enhanced and interdisciplinary foundation in human biology.

Certificates will be awarded only at the time of degree completion.

### Admission Requirements
- None
- A minimum overall 2.0 GPA is required in courses used to satisfy the requirement.
- At least 12 hours used toward the certificate must be earned at UCF within the participating departments.
- Students must select and meet with a certificate advisor in either the Anthropology or Biology department.
- Only two anthropology courses can overlap for students enrolled in multiple anthropology programs (minors and certificates).

### Certificate Requirements
- None

### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

### Required Courses (7 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives (12 hrs)

- Anthropology majors must select courses from Restricted Electives Group A.
- Biology majors must select courses from Restricted Electives Group B.
- Biomedical Sciences majors must select courses from Restricted Electives Group C.

#### Restricted Electives Group A:

- Anthropology Majors select four courses from the list below:
  - **BSC 2011C** Biology II 4 hrs
  - **PCB 3044** Principles of Ecology 3 hrs
  - **PCB 3063** Genetics 3 hrs
  - **PCB 3703C** Human Physiology 4 hrs
  - **ZOO 3701C** Human Gross Anatomy & Dissection Techniques 3 hrs
  - **ZOO 3733C** Human Anatomy 4 hrs
  - **ZOO 3713C** Comparative Vertebrate Anatomy 5 hrs
  - **PCB 4683** Evolutionary Biology 4 hrs
  - **ZOO 4513** Animal Behavior 3 hrs
Intelligence and National Security - Certificate
College of Sciences

Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience

Dr. Mark Schauer, politics@mail.ucf.edu, 407-823-3328

This certificate introduces students to the fundamentals of intelligence and national security, and allows for students to specialize in one or more different areas that are appropriate for a career in these fields. This certificate will be helpful for students majoring in any field who are interested in careers in intelligence and national security, and particularly for students in Political Science, International and Global Studies, and Criminal Justice.

Admission Requirements
- None

Certificate Requirements
- A grade of “C” (2.0) or better for all classes is required in courses counting towards the certificate.
- At least 9 hours used in the certificate must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion (for a maximum of 3 credit hours).

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

Required Courses (6 hrs)
- INR 2002 International Relations-Theory and Practice 3 hrs
- INR 4364 The Intelligence Community 3 hrs

Restricted Electives (6 hrs)
Select two courses from the following list:
- CCJ 4076 Crime Intelligence and Investigative Support Analysis 3 hrs
- CCJ 4641 Organized Crime 3 hrs
- CCJ 4644 White Collar Crime 3 hrs
- CCJ 4651 Drugs and Crime 3 hrs
- CJT 3803 Security Management 3 hrs
- CJT 3821 Practical Security Applications 3 hrs
- COM 4416 Terrorism and Communication 3 hrs
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3057 Contemporary Revolution and Political Violence 3 hrs
- CPO 3403 Politics of the Middle East 3 hrs
- CPO 3614 Politics of Eastern Europe 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs
- CPO 4514 Politics of East Asia 3 hrs
- CPO 4541 Chinese Politics 3 hrs
- CPO 4643 Government and Politics of Russia 3 hrs
- DSC 4012 Terrorism 3 hrs
- DSC 4013 Homeland Security and Criminal Justice 3 hrs
- INR 3253 International Politics of Africa 3 hrs
- INR 4060 Causes of War 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4084 Politics of International Terrorism 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy 3 hrs
- IR 4114 American Security Policy 3 hrs
- IR 4115 Strategic Weapons and Arms Control 3 hrs
- IR 4224 Contemporary International Politics of Asia 3 hrs
- IR 3250 Politics of Pan-Africanism 3 hrs
- IR 4243 International Politics of Latin America 3 hrs
- IR 4274 International Politics of the Middle East 3 hrs
- IR 4335 Coercion in International Politics 3 hrs
- IR 4363 Intelligence Analysis and Reporting 3 hrs
- IR 4744 Militaries in World Politics 3 hrs
- IR 4764 Cyberwarfare Policy 3 hrs
- POS 4206 Political Psychology 3 hrs
- SYP 3511 Sociology of Murder 3 hrs
- SYP 3520 Criminology 3 hrs
- SYP 4521 Crime Victims in Society 3 hrs
- SYP 4550 Patterns of Drug Abuse in Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, research, or Independent Study credit can be used to replace one restricted elective course with approval from a certificate advisor.
- Majors other than Anthropology, Biology, or Biomedical Sciences may earn The Human Biology Certificate but must select courses with a certificate advisor.
- One course substitution for the Human Biology Certificate will only be allowed with prior approval from a certificate advisor. In addition, only a two course overlap is allowed between their major and the certificate.
Certificates

of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and the Interdisciplinary Studies, Women's Studies, Religious Studies, and Middle Eastern Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses. For minor requirements, refer to the section on Judaic Studies Minor.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)

Language
- HBR 1120 Modern Israeli Hebrew I 3 hrs
- HBR 1121 Modern Israeli Hebrew II 3 hrs
- HBR 2200 Intermediate Modern Israeli Hebrew I 3 hrs
- HBR 2201 Intermediate Modern Israeli Hebrew II 3 hrs
- HBR 3250 Biblical Hebrew 3 hrs
- HBR 3410 Conversational Israeli Hebrew 3 hrs

Jewish History
- JST 3401 Jewish People in Antiquity 3 hrs
- JST 3402 Wandering: The Jewish People in Dispersion 3 hrs
- JST 3461 20th Century Jewish History and Thought 3 hrs
- JST 3701 History of the Holocaust 3 hrs
- JST 3415 American Jewish History 3 hrs
- JST 3417 Sephardi Jews: History, Culture, and Folklore 3 hrs

Bible
- JST 3120 Hebrew Scriptures 3 hrs
- JST 3125 The Book of Job 3 hrs
- JST 3126 Romantic Love in the Bible 3 hrs
- JST 3144 Dead Sea Scrolls 3 hrs
- JST 3190 The Biblical Prophets 3 hrs
- JST 3424 Biblical Archaeology 3 hrs

Literature
- JST 3100 The Hebrew Bible as Literature 3 hrs
- JST 3312 Identity and Genre 3 hrs
- JST 3751 Literature of the Holocaust 3 hrs
- JST 3803 The Israeli Experience in Short Stories 3 hrs

Jewish Civilization
- JST 3005 Tenets of Judaism 3 hrs
- JST 3121 Classic Texts of Judaism 3 hrs
- JST 3110 Kabbalah: Jewish Mysticism 3 hrs
- JST 3620 Contemporary Jewish Ethics and Morality 3 hrs

Culture
- JST 3450 Modern Jewish Experience 3 hrs
- JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
- JST 3820 Modern Israeli Culture 3 hrs
- JST 3551 The Holy and the Profane: The Introduction of Secularism into Modern Judaism 3 hrs
- JST 3550 Introduction of Modernism into Judaism 3 hrs
- JST 3821 Israel: Start-Up Nation 3 hrs

Other courses, including special topics, with the approval of the Director

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the certificate.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Hebrew qualifies for Foreign Language requirement.

Language Development and Disorders - Certificate

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/csd
Email: csdundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring or minoring in Communication Sciences and Disorders. This is for those 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.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (11 hrs)

Foreign Language Requirements
- None

Restricted Electives
- None

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 to complete the certificate.
- At least 10 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 may be used toward the certificate.

Leadership Studies - Certificate

College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements
- None
Certificates

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- Foundation Requirement
  - 4 hrs
  - LDR 2001 Foundations of Leadership
  - LDR 2002 Intermediate Foundations of Leadership
- Restricted Requirements
  - 9 hrs
  - Choose one course from three of the areas below:
    - Communication
      - COM 3011C Communication and Human Relations or
      - COM 3123 Organizational Communication or
      - COM 4461 Intercultural Communication or
      - COM 4462 Conflict Management
    - Collaboration
      - INP 3004 Industrial/Organizational Psychology or
      - INP 4313 Organizational Psychology or
      - MAN 4240 Organizations: Theory and Behavior or
      - MAN 3025 Management of Organizations or
      - SPC 4426 Group Dynamics
    - Social Relations and Culture
      - ANT 3541 Biobehavioral Anthropology or
      - CLP 3143 Abnormal Psychology or
      - COM 4461 Intercultural Communication or
      - EXP 3304 Motivation and Emotion or
      - SOP 3004 Social Psychology or
      - SOP 3723 Cross Cultural Psychology or
      - SOP 3742 Psychology of Women or
      - SOP 3784 Psychology of Diversity
    - Politics
      - PAD 3003 Public Administration in American Society or
      - PAD 4104 Administrative Theory or
      - PAD 4144 Nonprofit Organizations or
      - PAF 4754 Interdisciplinary Leadership in Public Affairs or
      - POS 3413 The American Presidency or
      - POS 4206 Political Psychology or
      - PUB 325 Women and Political Behavior
    - Ethics
      - BUL 3130 Legal and Ethical Environment of Business or
      - EDF 3601 Professional Ethics in Education or
      - PAD 3040 Ethics and Values in Public Administration or
      - PHI 2108 Critical Thinking or
      - PHI 3640 Environmental Ethics

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 13

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.

Native American Studies - Certificate

College of Sciences
Department of Anthropology
http://anthropology.cos.ucf.edu

Email: anthro@ucf.edu
Dr. Sarah Barber
Phone: (407) 823-2227

This certificate provides students with a broad and diverse background in the archaeology, history and culture of Native American peoples throughout North America, Central America and South America. While this certificate has a primary focus in Anthropology, course work in other departments provides a multidisciplinary approach to the study of native peoples of the Americas. This Certificate is appropriate for all UCF undergraduates and it provides an alternative to students majoring in Anthropology who wish to focus on Native American Studies, but who are precluded from completing the American Indian Studies Minor.

Certificates will be awarded only at the time of degree completion.

Admission Requirements
- None

Certificate Requirements
- A minimum overall 2.0 GPA is required in courses used to satisfy the requirement.
- At least 12 hours used toward the certificate must be earned at UCF within the participating departments.
- Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the Anthropology Major course requirements.
- Only two anthropology courses can overlap for students enrolled in multiple anthropology programs (minors and certificates).

Prerequisite Courses
- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses
- (6 hrs)
  - ANT 3245 Native American Religions
  - ANT 3312 Ethnology of North American Indians

Restricted Electives
- (9 hrs)

Choose three of the following:
  - AMH 3441 History of the Frontier: Eastern America
  - AMH 2010 U.S. History: 1492-1877
  - AMH 2020 U.S. History: 1877-Present
  - AMH 3580 North American Indians
  - AML 3643 Contemporary Native American Prose and Poetry
  - ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest
  - ANT 3158 Florida Archaeology
  - ANT 3160 Americas Before Columbus
  - ANT 3161 Ancient Mexico: Aztec to Zapotec
  - ANT 3163 Mesoamerican Archaeology
  - ANT 3164 Ancient Incas
  - ANT 3165 Archaeology of South America
  - ANT 3168 Maya Archaeology
  - ANT 3311 Indians of the Southeastern United States
  - ANT 4153 North American Archaeology
  - CPO 4794 Indigenous Politics and the Environment
  - POS 3076 American Indian Politics

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Course substitutions must be approved in advance by the Director of the Native American Studies Program.
Certificates

Nonprofit Management - Certificate
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin
Dr. Stephanie Krick, stephanie.krick@ucf.edu, 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.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

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

Restricted Electives (3 hrs)
■ See advisor for approved courses

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 17

Other Requirements
■ A minimum grade of “C” (2.0) is required in each course.
■ At least 12 hours used in the program must be earned at UCF within the Department of Public Administration

Public and Professional Writing - Certificate
College of Arts and Humanities
Department of Writing and Rhetoric,
Colbourn, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/
Dr. Laurie A. Pinkert, Program Director, Laurie.Pinkert@ucf.edu, 407-823-1057
Adele Richardson, Program Advisor, adele@ucf.edu, 407-823-0349
Dr. Marcy Galtbreath, Program Advisor, Marcy.Galtbreath@ucf.edu, 407-823-0745

The Certificate in Public and Professional Writing will provide students with additional training and experience in workplace and public (i.e., civic, community-based) writing.

Certificate Admission Requirements

Transfer Notes
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Students must provide all appropriate documentation.

Certificate Requirements
■ Students should work with a department academic advisor to select courses that support the students’ intended career or path post-graduation.
■ Students cannot earn both the Certificate in Public and Professional Writing and the Minor in Writing and Rhetoric.

Prerequisite Courses
■ None

Required Courses (6 hrs)
ENC 3314 Writing and Rhetoric Foundations 3 hrs

Select 1:
ENC 3250 Professional Writing 3 hrs
ENC 4212 Professional Editing 3 hrs
LIN 3673 Rhetorical Grammar 3 hrs

Restricted Electives (6 hrs)
■ Students must take any two 3000-4000 level courses taught by the department not restricted to the major or used to satisfy another requirement.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 12

Other Requirements
■ Students must earn a minimum 2.5 GPA in all coursework used to satisfy the certificate.
■ A grade of “C+” (2.25) or better is required in each course used to satisfy the certificate.
■ At least 6 hours used to satisfy the certificate must be taken from the Department of Writing and Rhetoric at UCF.

Security Management - Certificate
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
■ There are no certificate prerequisites; however individual courses may have prerequisites.

Required Courses (12 hrs)
SCC 3311 Security Administration 3 hrs
CJT 3803 Security Management 3 hrs
CJT 4843 Risk Management in Criminal Justice/ Private Security 3 hrs
CCJ 4644 White Collar Crime 3 hrs

Restricted Electives (3 hrs)
■ Select one of the following:
CJE 3444 Crime Prevention 3 hrs
CJT 3821 Practical Security Applications 3 hrs
SCC 3316 Special Security Problems 3 hrs
DSC 4012 Terrorism 3 hrs
DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ At least 12 hours used in the certificate must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the certificate.
Certificates

### Spanish for Health Professionals - Certificate
**College of Arts and Humanities**
**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**

[Link](http://mll.cah.ucf.edu/)

Dr. Humberto Lopez Cruz, hlopez@ucf.edu, 407-823-2472

**Admission Requirements**
- Students must demonstrate a foreign language proficiency in Spanish equivalent to third-year college level to be admitted to the certificate.

**Certificate Requirements**
- For degree-seeking students, certificates will be awarded only at time of degree completion.

**Prerequisite Courses**
- None

**Required Courses** (9 hrs)
- SPN 3344 Advanced Spanish Native Fluency I or 3 hrs
- SPN 3345 Advanced Spanish Native Fluency II 3 hrs

**Select one of the following Health Sciences upper division courses:**
- HSA 3111 U.S. Health Care Systems or 3 hrs
- HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans or 3 hrs
- HSC 3211 Preventive Health Care or 3 hrs
- HSC 4201 Community Health or 3 hrs
- HSC 4555 Pathophysiology I or 3 hrs
- HSC 4556 Pathophysiology II 3 hrs

**Restricted Electives** (6 hrs)
- Select one of the following Public Affairs upper division courses:
- PLA 3306 Criminal Law or 3 hrs
- PLA 4020 Law and Society 3 hrs

**Select one of the following Spanish upper division courses**
- SPN 3344 Advanced Spanish Native Fluency I or 3 hrs
- SPN 3345 Advanced Spanish Native Fluency II 3 hrs

**Foreign Language Requirements**
- None

### Spanish for the Legal World - Certificate
**College of Arts and Humanities**
**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**

[Link](http://mll.cah.ucf.edu/)

Dr. Humberto Lopez Cruz, hlopez@ucf.edu, 407-823-2472

**Admission Requirements**
- Students must demonstrate a foreign language proficiency in Spanish equivalent to third-year college level to be admitted to the certificate.

**Certificate Requirements**
- For degree-seeking students, certificates will be awarded only at time of degree completion.

**Prerequisite Courses**
- None

**Required Courses** (9 hrs)
- PLA 3014 Law and the Legal System 3 hrs
- SPN 4410 Advanced Spanish Conversation 3 hrs
- SPT 3809 Medical Spanish Translation/Interpretation 3 hrs

**Restricted Electives** (6 hrs)
- Select one of the following Health Sciences upper division courses:
- PLA 3014 Law and the Legal System or 3 hrs
- PLA 4020 Law and Society 3 hrs

**Select one of the following Spanish upper division courses**
- SPN 3344 Advanced Spanish Native Fluency I or 3 hrs
- SPN 3345 Advanced Spanish Native Fluency II 3 hrs

**Foreign Language Requirements**
- None

### Substitute Teaching - Certificate
**College of Education and Human Performance**
**School of Teaching, Learning, and Leadership, Education Building, Room: 206F**

[Email](mailto:Lindsay.archambault@ucf.edu)

Lindsay Archambault, 407-823-2881

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Required Courses** (9 hrs)
- EDF 2250 Classroom Management for Substitute Teachers 3 hrs
- EDF 2307 Introduction to Substitute Teaching 3 hrs
- EDG 2311 Teaching Strategies for Substitute Teachers 3 hrs

**Restricted Electives** (6 hrs)
- Select one of the following Public Affairs upper division courses:
- PLA 3306 Criminal Law or 3 hrs
- PLA 4020 Law and Society 3 hrs

**Select one of the following Spanish upper division courses**
- SPN 3344 Advanced Spanish Native Fluency I or 3 hrs
- SPN 3345 Advanced Spanish Native Fluency II 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- A minimum GPA of 2.5 in all courses used to satisfy the certificate.
- No credit by exam (CLEP, Military credit) may be used.
- Independent study and substitute courses/new courses are allowed at the director’s discretion.

---

**Notes:**
- The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. This certificate does not lead to teacher certification or admission to the College of Education and Human Performance. The certificate is appropriate for students who are seeking an enhanced understanding of how to be an effective substitute teacher in PK-12 school classrooms, or for those who are considering a future career as a fully certified teacher. This certificate may also strengthen the marketability of students’ major programs. This certificate is available for students in the 2006 catalog year and beyond.

- Certificate Admission Requirements
- None

- Certificate Requirements
- None

- Prerequisite Courses
- None

- Required Courses (9 hrs)
  - EDF 2250 Classroom Management for Substitute Teachers 3 hrs
  - EDF 2307 Introduction to Substitute Teaching 3 hrs
  - EDG 2311 Teaching Strategies for Substitute Teachers 3 hrs

- Restricted Electives (6 hrs)
  - Select one of the following Public Affairs upper division courses:
    - PLA 3306 Criminal Law or 3 hrs
    - PLA 4020 Law and Society 3 hrs

- Select one of the following Spanish upper division courses:
  - SPN 3344 Advanced Spanish Native Fluency I or 3 hrs
  - SPN 3345 Advanced Spanish Native Fluency II 3 hrs

- Foreign Language Requirements
- None
Certificates

Teaching English as a Foreign Language - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Dr. Florin Mihai, Florin.Mihai@ucf.edu
Phone: (407) 823-2472

Certificates will be awarded only at time of degree completion.

Certificate Admission Requirements
- None
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- TSL 3346 English as an International Language 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- ANT 3610 Language and Culture 3 hrs
- TSL 4363 ESL Classroom Experiences 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- 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.

Translation and Interpretation - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 519
http://mll.cah.ucf.edu/
Dr. Francisco Fernandez-Rubiera, rubiera@ucf.edu

Certificate Admission Requirements
- Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

Certificate Requirements
- For degree-seeking students, certificates will be awarded only at time of degree completion.

Prerequisite Courses
- None

Required Courses (15 hrs)
- SPT 3800 Spanish Translation and Interpretation 3 hrs
- SPT 3805 Spanish Translation and Interpretation for Mass Communication 3 hrs
- SPT 3809 Medical Spanish Translation/Interpretation 3 hrs
- SPT 3831 Spanish Legal Translation and Interpretation 3 hrs
- SPN 4941 Internship 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Victim Advocacy - Certificate
College of Health and Public Affairs
Department of Criminal Justice, Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Dr. MaryAnn Eastep, 407-823-2603

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims.

The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (9 hrs)
- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs

Restricted Electives (6 hrs)
- Select two of the following:
  - SYP 4521 Crime Victims in Society 3 hrs
  - NUR 4516 Crisis Intervention 3 hrs
  - SOW 4754 Forensic Social Work Theory and Practice 3 hrs
  - CJJ 4564 Juvenile Justice System 3 hrs
  - CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
  - CCJ 4129 Cultural Diversity in Criminal Justice 3 hrs
  - PLA 4530 Legal Issues of the Elderly 3 hrs

Foreign Language Requirements
- None
ACCELERATED UNDERGRADUATE-GRADUATE PROGRAMS

Aerospace Engineering - Accelerated
Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E., M.S.M.E. or M.S.BME)

College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering, Room: 381
http://www.mae.ucf.edu

Email: MAEdawising@ucf.edu
Dr. Jihua Gou, jihua.gou@ucf.edu, 407-823-2155
Dr. Hyo Jung “Joe” Cho, hjcho@ucf.edu, 407-823-5014
Phone: 407-823-5448

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Admission to the Accelerated Program does not guarantee formal admission to the MSAE, MSME or MSBME program.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Aerospace Engineering major in catalog for GEP requirements.

2. Common Program Prerequisites (CPP) (19 hrs)
- See Aerospace Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum of 2.250 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.

4. Core Requirements: Advanced Level (51 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 1006C</td>
<td>Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EMA 3706</td>
<td>Structure and Properties of Aerospace Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>GEP</td>
</tr>
<tr>
<td>EAS 3101</td>
<td>Fundamentals of Aerodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 3800C</td>
<td>Aerospace Engineering Measurements</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 3810C</td>
<td>Design of Aerospace Experiments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4105</td>
<td>Flight Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4134</td>
<td>High-Speed Aerodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4300</td>
<td>Aerothermodynamics of Propulsion</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3043C</td>
<td>Modeling Methods in Mechanical and Aerospace Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4200</td>
<td>Analysis &amp; Design of Aerospace Structures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3521</td>
<td>Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4225</td>
<td>Introduction to Vibrations and Controls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3701</td>
<td>Fluid Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4142</td>
<td>Heat Transfer</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (12 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

6. Capstone Requirements (6 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

7. Foreign Language Requirements
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Undergraduate Hours Required: 128

Total Combined Hours Required: 146

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE, MSME or MSBME will be awarded on completion of the total program of study.
- The following will be waived for this joint degree program: The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None
Accelerated Undergraduate-Graduate Programs

Communication Sciences and Disorders -
Accelerated Undergraduate-Graduate Program
(B.A. or B.S. / M.A.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders,
Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/cs
Email: csundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 16 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 at least 15 hours of undergraduate CSD coursework at UCF.
- 3.6 GPA or better in courses in the major.
- A highly competitive GRE score taken within the past 5 years.
- Completion of an 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 16 credit hours of graduate course work will be formally admitted into the master’s program in Communication Sciences and Disorders following receipt of the bachelor’s degree.

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Prefer MGF 1106 Finite Mathematics (3 hrs)

   Select 1:
   Suggested STA 2014C Principles of Statistics or 3 hrs
   Suggested STA 2023 Statistical Methods I 3 hrs

   D: Social Foundations (6 hrs)
   Suggested PSY 2012 General Psychology 3 hrs

   Select 1:
   Suggested ECO 201 Principles of Macroeconomics or 3 hrs
   Suggested ECO 202 Principles of Microeconomics or 3 hrs

Suggested POS 2041 American National Government (6 hrs)

E: Science Foundations (6 hrs)
Required PHY, CHM, or PSC course listed in GEP E.1 3 hrs
Any BSC course listed in GEP E.2 or ANT 2511 3 hrs

2. Common Program Prerequisites (CPP)
   STA 2014C Principles of Statistics 3 hrs
   PSY 2012 General Psychology 3 hrs
   Any BSC course or ANT 2511 3 hrs
   PHY, PSC or CHM 3 hrs

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (50 hrs)
   SPA 3471 Communication Disorders in Literature and Media 3 hrs
   SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
   SPA 3112 Basic Phonetics 3 hrs
   SPA 3112L Basic Phonetics Lab 1 hr
   LIN 3716 Language Development 3 hrs
   SPA 3011 Speech Science I Production 3 hrs
   SPA 3011L Speech Production lab 1 hr
   SPA 3104 Neural Bases of Communication 3 hrs
   SPA 3123 Speech Science II: Perception 3 hrs
   SPA 3123L Speech Perception Lab 1 hr
   SPA 4032 Audiology 3 hrs
   SPA 4326 Hearing Disorders Across the Lifespan 3 hrs
   DEP 2004 Developmental Psychology 3 hrs
   LIN 3716L Language Development Lab 2 hrs
   LIN 3713 Language Science 3 hrs

Select 1:
   EAB 3703 Principles of Behavior Modification or 3 hrs
   EEC 4601 Introduction to Behavior Management or 3 hrs
   EEC 4604 Classroom Management and 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 or 3 hrs
   EEX 4500 Young Children With Special Needs or 3 hrs
   EEY 4070 Teaching Exceptional Students 3 hrs

Statistics Requirement (6 hrs)
- Students have two options in completing this requirement:

Option 1: (6 hrs)
   STA 2023 Statistical Methods I and 3 hrs
   STA 4163 Statistical Methods II 3 hrs

Option 2: (3 hrs)
   STA 2014C Principles of Statistics and 3 hrs
   SPA 6805 Research in Communicative Disorders 3 hrs
   or
   STA 2023 Statistical Methods I and 3 hrs
   SPA 6805 Research in Communicative Disorders 3 hrs

5. Restricted Electives (9 hrs)
   - B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college
   - B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.

6. Capstone Requirements (3 hrs)
   - None

7. Foreign Language Requirements
   - None

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.
## Accelerated Undergraduate-Graduate Programs

**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. Electives**
- Select 12 hours of electives. A minor or certificate is encouraged.

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- A minimum grade of "B" in all graduate courses.
- A minimum overall GPA of 3.0 in the courses used to satisfy the major.
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination.

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

**Total Undergraduate Hours Required**
- 120

**Honors In Major**
- Interested students should contact the undergraduate program coordinator.

**Related Programs**
- Health Services Administration
- Physical Therapy
- Psychology
- Social Work
- Early Childhood Education
- Physical Therapy

**Certificates**
- Language Development and Disorders

**Related Minors**
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Human Communication
- Linguistics
- Psychology
- Communication Sciences and Disorders

**Advising Notes**
- None

**Transfer Notes**
- "D" (1.0) grades are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.

**Acceptable Substitutes for Transfer Courses**
- None

**Shared Courses**
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 6204</td>
<td>Articulation/Phonological Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6410</td>
<td>Aphasia and Related Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6436</td>
<td>Language Disorders in Children and Adolescents</td>
<td>6 hrs</td>
</tr>
<tr>
<td>SPA 6805</td>
<td>Research in Communicative Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6551</td>
<td>Foundations of Clinical Practice: Level I</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Graduate Courses Link**
- None

**Computer Engineering - Accelerated Undergraduate-Graduate Program (B.S.Cp.E. / M.S.Cp.E.)**

**College of Engineering and Computer Science**

**Department of Electrical and Computer Engineering, Harris Corp. Engineering Center, Room: 439**

**http://www.ece.ucf.edu**

**Email:** eecpe-grad@ece.ucf.edu

**Dr. Kalpathy Sundaram**

**Diana Camerino**

**Phone:** 407-823-3327

**Admission Requirements**
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MSPE program.

**Degree Requirements**
- None

**1. UCF General Education Program (GEP) (38 hrs)**
- See Computer Engineering major in the catalog for track GEP requirements.

**A: Communication Foundations**

**B: Cultural & Historical Foundations**

**C: Mathematical Foundations**

**D: Social Foundations**

**E: Science Foundations**

**2. Common Program Prerequisites (CPP) (19 hrs)**
- See Computer Engineering major in the catalog for the CPP requirements.

**3. Core Requirements: Basic Level (2 hrs)**

**Computer Engineering: Basic Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGS 1006C</td>
<td>Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**4. Core Requirements: Advanced Level (48 hrs)**
- None

**5. Restricted Electives**
- Technical electives should be taken at the 5000 level and are available in the BScPE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

**Technical Electives**
- 15 hrs

**6. Capstone Requirements (6 hrs)**
- Technical elective courses are to be selected by the student from department approved courses.

**7. Foreign Language Requirements**
- None

**Admissions**
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Accelerated Undergraduate-Graduate Programs

Graduation
- None

8. Electives
- None

9. Additional Requirements
- 24 of 32 residency hours must be 3000-5000 level courses taken from the EECS Department at UCF and applicable to the undergraduate degree program.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

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

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major.

Contact the EE/CpE Graduate Coordinator in the Electrical Engineering & Computer Science department for acceptable courses.

Graduate Courses Link
- None

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

Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term

Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)

College of Engineering and Computer Science

Department of Computer Science,

Harris Corp. Engineering Center, Room: 437

http://www.eecs.ucf.edu

Dr. Dan Marinescu, cs-grad@cs.ucf.edu, 407-823-2779

Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MS program.

Degree Requirements
- None

1. UCF General Education Program (GEP) (39 hrs)
- See Computer Science major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (17 hrs)
- See Computer Science major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (30 hrs)
- STA 2023 Statistical Methods I GEP
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 3 hrs
- CDA 3103C Computer Logic and Organization 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs
- CIS 3360 Security in Computing 3 hrs
- COP 3402 Systems Software 3 hrs
- COP 4210 Discrete Structures II 3 hrs
- COP 4331C Processes for Object-Oriented Software Development 3 hrs
- COT 3960 CS Foundation Exam 0 hrs

Select 1: 3 hrs
- ENC 3241 Writing for the Technical Professional or 3 hrs
- ENC 3250 Professional Writing 3 hrs

4. Core Requirements: Advanced Level (18 hrs)
- At most 3 hours of independent study or research allow ed. No internship or cooperative education credits are allowed.
- It is recommended that students take at least 3 classes from a primary area to gain an in-depth knowledge in that area of Computer Science.
- It is recommended that students take classes from at least 2 different secondary areas to gain a broad knowledge of Computer Science. These courses may also be listed in the student’s primary area.
- A “C” (2.0) or better is required in all courses in this area.
- Students must maintain at least a 2.5 GPA in the following all courses in this section.
### Systems Area
- **COP 4331C** Processes for Object-Oriented Software Development 3 hrs
- **COP 4520** Concepts of Parallel and Distributed Processing 3 hrs
- **COP 4600** Operating Systems 3 hrs
- **EEL 4768** Computer Architecture 3 hrs
- **CDA 5106** Advanced Computer Architecture 3 hrs
- **COP 5611** Operating Systems Design Principles 3 hrs
- **COP 5711** Parallel and Distributed Database Systems 3 hrs

### Al and Machine Learning Area
- **CAP 4053** AI for Game Programming 3 hrs
- **CAP 4453** Robot Vision 3 hrs
- **CAP 4630** Artificial Intelligence 3 hrs
- **CAP 5415** Computer Vision 3 hrs
- **CAP 5512** Evolutionary Computation 3 hrs
- **CAP 5610** Machine Learning 3 hrs
- **CAP 5636** Advanced Artificial Intelligence 3 hrs

### Graphics, Games, and HCI Area
- **CAP 4053** AI for Game Programming 3 hrs
- **CAP 3104** Foundations of HCI 3 hrs
- **CAP 4720** Computer Graphics 3 hrs
- **CNT 5008** Computer Communication Networks 3 hrs
- **CAP 5725** Computer Graphics I 3 hrs

### Algorithms and Complexity Area
- **COT 4500** Numerical Calculus 3 hrs
- **CAP 5510** Bioinformatics 3 hrs
- **CAP 5512** Evolutionary Computation 3 hrs
- **COP 5021** Program Analysis 3 hrs
- **COP 5537** Network Optimization 3 hrs
- **COT 5405** Design and Analysis of Algorithms 3 hrs

### Software Engineering Area
- **CIS 4615** Secure Software Development and Assurance 3 hrs
- **COP 4020** Programming Languages I 3 hrs
- **COP 4520** Concepts of Parallel and Distributed Processing 3 hrs
- **COP 4710** Database Systems 3 hrs
- **CEN 5016** Software Engineering 3 hrs
- **COP 5021** Program Analysis 3 hrs
- **COP 5711** Parallel and Distributed Database Systems 3 hrs

### Cybersecurity Area
- **CIS 3362** Cryptography and Information Security 3 hrs
- **CIS 4203C** Digital Forensics 3 hrs
- **CIS 4361** Secure Operating Systems and Administration 3 hrs
- **CIS 4615** Secure Software Development and Assurance 3 hrs
- **CIS 4940C** Topics in Cryptography 3 hrs
- **CAP 4145** Introduction to Malware Analysis 3 hrs
- **CNT 4403** Network Security and Privacy 3 hrs
- **EEL 4346C** Hardware Security and Trusted Circuit Design 3 hrs

### Big Data Area
- **COP 4520** Concepts of Parallel and Distributed Processing 3 hrs
- **COP 4710** Database Systems 3 hrs
- **COT 4500** Numerical Calculus 3 hrs
- **EEL 4768** Computer Architecture 3 hrs
- **CDA 5106** Advanced Computer Architecture 3 hrs
- **CNT 5008** Computer Communication Networks 3 hrs
- **CDA 5110** Parallel Architecture and Algorithms 3 hrs
- **COP 5611** Operating Systems Design Principles 3 hrs
- **CAP 5910** Machine Learning 3 hrs
- **COP 5711** Parallel and Distributed Database Systems 3 hrs

### Vision and Robotics Area
- **CAP 4453** Robot Vision 3 hrs
- **CAP 4720** Computer Graphics 3 hrs
- **CAP 5415** Computer Vision 3 hrs
- **CAP 5725** Computer Graphics I 3 hrs
- **EGN 4060C** Introduction to Robotics 3 hrs
- **EEL 4660** Robotic Systems 3 hrs
- **EEL 5820** Image Processing 3 hrs

### Computer Networks Area
- **CNT 4403** Network Security and Privacy 3 hrs
- **CNT 4704** Analysis of Computer Communication Networks 3 hrs
- **EEL 4781** Computer Communication Networks 3 hrs
- **CNT 5008** Computer Communication Networks 3 hrs
- **CAP 5537** Network Optimization 3 hrs
- **CNT 5805** Network Science 3 hrs
- **EEL 5780** Wireless Networks 3 hrs

### 5. Restricted Electives (15 hrs)
- 4000-5000 level mathematics or statistics 6 hrs
- Courses from STA, MAP, MAA, MAD, MAS prefixes and the following courses.
- No independent study hours, internship, or cooperative education hours are allowed.
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3106 Linear Algebra 4 hrs

### 6. Capstone Requirements (6 hrs)
- A “C” (2.0) or better is required in the two courses.
- **COP 4934** Senior Design I 3 hrs
- **COP 4935** Senior Design II 3 hrs

### 7. Foreign Language Requirements

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

### Graduation
- None

### 8. Electives (4 hrs)
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- None

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

### Total Undergraduate Hours Required
- 120

### Total Combined Hours Required
- 138

### Honors In Major
- None

### Related Programs
- Computer Engineering
- Information Technology

### Certificates
- Cyber Operations

### Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

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

Equipment Fees
- Part-Time Student: $9 per term
- Full-Time Student: $18 per term

Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)

College of Engineering and Computer Science

Department of Electrical and Computer Engineering,

Harris Corp. Engineering Center, Room: 439

http://www.ece.ucf.edu

Email: eecpe-grad@ece.ucf.edu

Dr. Kalpathy Sundaram

Diana Camerino

Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MSEE program.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   - See Electrical Engineering major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
   - See Electrical Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in this area as well as restricted elective courses and the senior design courses listed below. Independent study courses generally do not satisfy major requirements.

Engineering Core: Basic
- EGS 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (73 hrs)

Engineering Core: Advanced and Electives
- None

5. Restricted Electives (None)

6. Capstone Requirements (6 hrs)
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- 24 of 32 residency hours must be 3000-5000 level courses taken from the EECS Department at UCF and applicable to the undergraduate degree program.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

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

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.

The following will be waived for this joint degree program:
Accelerated Undergraduate-Graduate Programs

Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.

Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the Electrical Engineering & Computer Science department for acceptable courses.

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

Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

College of Arts and Humanities
Department of History, Colburn Hall, Room: 551
http://history.cah.ucf.edu/

Email: Graduate program: hisgrad@ucf.edu
Email: Undergraduate program: history@ucf.edu
Dr. Amelia Lyons
Phone: 407-823-2224

This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master’s degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.

Admission Requirements
- Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
- One official transcript (in a sealed envelope) from each college/university attended.
- A 3.5 GPA or higher in history courses
- Official competitive Graduate Record Exam (GRE) score taken within the last five years.
- An essay indicating reasons for wishing to complete the combined bachelor’s/master’s program.
- Three letters of recommendation from History faculty.
- Students will be formally admitted to the master’s program following receipt of the B.A. degree.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with the departmental graduate director.
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000-level courses to meet this requirement.

- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- The B.A. will be awarded after completion of 36 hours of history classes.
- The M.A. will be awarded upon completion of the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. UCF General Education Program (GEP) (36 hrs)
- See the History major in this catalog for track specific GEP requirements

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

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

1 AMH 2010  U.S. History: 1492-1877  GEP
1 AMH 2020  U.S. History: 1877-Present  GEP
1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (6 hrs)
- Complete two courses from EUH 2000, EUH 2001, WOH 2012 and/or WOH 2022. Upper level AFH, ASH, EUH, LAH and/or WOH courses can be substituted for these requirements.

EUH 2000 Western Civilization I  3 hrs
EUH 2001 Western Civilization II  3 hrs
WOH 2012 World Civilization I  3 hrs
WOH 2022 World Civilization II  3 hrs

4. Core Requirements: Advanced Level (3 hrs)

HIS 4150 History and Historians  3 hrs

5. Restricted Electives (21 hrs)
- (Must be taken within the History Department)
Select six hours of approved history courses 18 hrs
within three of the four geographic regions:
- Asian, African, and Middle Eastern
- British and European
- Latin American
- U.S. and Canadian

Select three hours of approved history courses 3 hrs
- Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

6. Capstone Requirements

HIS 4859 History Portfolio  0 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

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

9. Additional Requirements

Graduate Degree Requirements
- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
Accelerated Undergraduate-Graduate Programs

- Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year.
- After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
- Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
- Students need to pay fees at the graduate rate for the graduate courses they take.

Schedule for students enrolled full-time in the accelerated program:
- Students complete nine hours of graduate-level courses their senior year.
- Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.
- Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.
- Students complete and defend a master’s thesis in six hours.

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 3.5 in upper division required courses attempted.
- Submit a portfolio (HIS 4959) 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.

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

Total Undergraduate Hours Required
- 120

Total Combined Hours Required
- 147

Honors In Major
- Students interested in completing Honors in the Major should contact their program advisor. More information about Honors in the Major can be found at http://research.honors.ucf.edu/honors-in-the-Major.

Related Programs
- None

Certificates
- None

Related Minors
- Africana Studies
- American Studies
- Asian Studies
- Florida Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Middle Eastern Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Graduate Courses Link
- None

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

Industrial Engineering - Accelerated Undergraduate-Graduate Program (B.S.I.E. / M.S.I.E.)

College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/
Jacob Lawhon, jacob.lawhon@ucf.edu, 407-823-5021
Dr. Luis Rabelo, Luis.Rabelo@ucf.edu
Phone: 407-823-2204

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours
- Admission to the Accelerated Program does not guarantee formal admission to the MSIE program.
- Admission is not automatic. Interested students may need to be interviewed

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Industrial Engineering major is the Catalog for track specific GEP requirements.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)
- See Industrial Engineering major in the Catalog for the CPP requirements.
- See “Common Prerequisites” in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (60 hrs)

Industrial Engineering Core: Basic 2 hrs
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (60 hrs)
- Graduate courses used to complete the Accelerated BS to MS will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A "C" (2.0) or better is required in all courses listed in this section with a prefix of EIN, ESI, STA and MAS. A "B" (3.0) or better is required for 5000/6000 level courses to be transferred for graduate credit.

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Graduate Courses Link
- None

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

Industrial Engineering - Accelerated Undergraduate-Graduate Program (B.S.I.E. / M.S.I.E.)

College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/
Jacob Lawhon, jacob.lawhon@ucf.edu, 407-823-5021
Dr. Luis Rabelo, Luis.Rabelo@ucf.edu
Phone: 407-823-2204
Accelerated Undergraduate-Graduate Programs

EIN 2002  Introduction to Industrial Engineering and Management Systems  1 hr
1 COP 3223C  Introduction to Programming with C  3 hrs
EGN 3310  Engineering Analysis-Statics  3 hrs
EGN 3321  Engineering Analysis-Dynamics  3 hrs
EGN 3373  Principles of Electrical Engineering  3 hrs
EGS 4624  Engineering Innovation and Leadership  3 hrs
STA 3032  Probability and Statistics for Engineers  GEP
MAS 3105  Matrix and Linear Algebra  4 hrs
EIN 3351  Engineering Economic Analysis and Cost Engineering
ESI 4221  Empirical Methods for Industrial Engineering
ESI 4234  Quality Engineering  3 hrs
EIN 4243C  Human Engineering  3 hrs
EIN 4333  Production and Distribution Systems  3 hrs
EIN 4360  Facilities Planning and Work Design  4 hrs
EIN 4391  Manufacturing Engineering  3 hrs
EIN 4517  Systems Engineering  3 hrs
ESI 4628  Decision Support Systems for Industrial Engineers
ESI 4312  Deterministic Methods for Operations Research
ESI 4313  Stochastic Methods for Operations Research
ESI 4523  Systems Simulation  3 hrs
EGN 3343  Thermodynamics  3 hrs

1 Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.

5. Restricted Electives  (5 hrs)
■ Three (3) hours of technical electives must be either EIN 5140 Project Engineering or ESI 5219 Engineering Statistics which are required core requirements in the MSIE program. Another three (3) hours of technical elective may be taken at the 5000 level as a substitute for any of the 3 courses specified in the core requirements for the BSIE. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
■ None

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

Graduation
■ None

8. Electives
■ None

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements  (4 hrs)
EIN 4891C  Industrial Engineering Senior Design Project  4 hrs

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

Total Undergraduate Hours Required
■ 128
Total Combined Hours Required
■ 148

Honors In Major
■ None

Related Programs
■ None

Certificates
■ None

Related Minors
■ None

Advising Notes
■ After entry to the Accelerated Program students will be advised regarding areas of study they plan to explore. During this time advising staff within the IEMS department will aid in selecting approved graduate level courses that are acceptable alternatives to replace required courses.
■ The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
■ None

Acceptable Substitutes for Transfer Courses
■ None

Shared Courses
■ Up to 12 credit hours of approved 5000 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. The 5000 level courses listed in the plan above are examples. Contact the Graduate Coordinator in the Industrial Engineering and Management Systems department for a list of acceptable courses.

Graduate Courses Link
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/alcacademic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $38 per term
■ Full-Time Student: $77 per term

Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E)

College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering, Engineering, Room: 381
http://www.mae.ucf.edu

Dr. Jihua Gou, jihua.gou@ucf.edu, 407-823-2155
Dr. Hyoung Jin “Joe” Cho, hjcho@ucf.edu, 407-823-5014
Phone: 407-823-5448

Admission Requirements
■ See Common Program Prerequisites.
■ Qualified students may apply after completion of a minimum of 64 credit hours.
■ Completion of no more than 96 credit hours.
■ Admission to the Accelerated Program does not guarantee formal admission to the MSME, MSMSE, MSAE or MSBME program.
■ Admission is not automatic. Interested students may need to be interviewed.
Accelerated Undergraduate-Graduate Programs

Degree Requirements
■ None
1. UCF General Education Program (GEP) (38 hrs)
■ See Mechanical Engineering major in the Catalog for track specific GEP requirements
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)
2. Common Program Prerequisites (CPP) (19 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
■ See Mechanical Engineering major in the Catalog for CPP requirements.
3. Core Requirements: Basic Level (2 hrs)
EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr
4. Core Requirements: Advanced Level (63 hrs)
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3365 Structure and Properties of Materials 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering
EML 3303C Mechanical Engineering Measurements 3 hrs
EGN 3601 Solid Mechanics 3 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 4142 Heat Transfer 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EML 4225 Introduction to Vibrations and Controls 3 hrs
EML 3500 Design and Analysis of Machine Components 3 hrs
Select 2 of the Following: 6 hrs
EML 3101 Thermodynamics of Mechanical Systems or 3 hrs
EML 4143 Heat Transfer II or 3 hrs
EML 4313 Intermediate System Dynamics and Controls or 3 hrs
EML 4703 Fluid Mechanics II or 3 hrs
EML 4504 Design & Analysis of Machine Components II 3 hrs
Select 1 of the Following: 3 hrs
EML 4301C Mechanical Systems Lab or 3 hrs
EML 4306C Energy Systems Lab or 3 hrs
5. Restricted Electives
Approved Electives 18 hrs
■ Technical electives should be taken at the 5000 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 approved electives and technical electives and the terms when specific courses of this type are to be offered
6. Capstone Requirements (6 hrs)
■ These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
■ CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
EML 4501C Engineering Design I 3 hrs
EML 4502C Engineering Design II 3 hrs
7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
■ None
8. Electives
■ None
9. Additional Requirements
■ None
10. Required Minors
■ None
11. Departmental Exit Requirements (6 hrs)
■ None
12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
Total Undergraduate Hours Required 128
Total Combined Hours Required 146
Honors In Major
■ None
Related Programs
■ None
Certificates
■ None
Related Minors
■ None
Advising Notes
■ The following will be waived for this joint degree program:
■ The limit of nine hours to be shared between undergraduate and graduate programs.
■ Undergraduate students taking graduate courses must be within nine hours of graduation
■ Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
■ Undergraduate students are not eligible to take 6000-level courses
Career and Academic Advising
■ The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
EML 3933 Mechanical Career and Academic Faculty Advising I 0 hrs
EML 4931 Mechanical Career and Academic Faculty Advising II 0 hrs
Transfer Notes
■ None
Acceptable Substitutes for Transfer Courses
■ None
Shared Courses
■ Shared B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E.Up to 12 credit hours of approved 5000 and 6000 level courses with grades of “B” (3.0) or better may be counted towards the B.S. and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical and Aerospace Engineering department for a list of acceptable courses.
Graduate Courses Link
■ http://www.graduatecatalog.ucf.edu/content/Courses.aspx
Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ceas.ucf.edu/alc/academic_learning_compacts.htm
Equipment Fees
■ Part-Time Student: $45 per term
■ Full-Time Student: $90 per term
Nursing - Accelerated Second Degree B.S.N. Option
(B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
Email: ucfnurse@ucf.edu
Dr. Mary Lou Sole, Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Kelly Allred, Undergraduate Coordinator
Patricia Leli, Clinical Education Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university.

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program.
- Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year of admission is sought. For application deadlines, please visit http://www.nursing.ucf.edu.
- Admission to the university must also be completed by the program application deadline.
- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.
- Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar’s Office. These students complete the “Readmission Application” form.
- Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.
- All applicants must have a minimum overall GPA of 3.0.
- Applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks including fingerprints are required for all applicants to the undergraduate nursing program. The results are reviewed as part of the admission process and may be grounds for denying a student admission to the College of Nursing.
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- At least seven (7) of the eight (8) common program prerequisites must be completed by the program application deadline with at least a grade of “C” (2.0) or higher in each course.
- All 8 prerequisite courses must be completed before program begins.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
- UCF Residency requirement: 30 hours (if applicable)

1. UCF General Education Program (GEP)
   - Communication Foundations
   - Cultural & Historical Foundations
   - Mathematical Foundations
   - Social Foundations
   - Science Foundations

2. Common Program Prerequisites (CPP) (27 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (57 hrs)
   - Any variation from the following must be approved by the College of Nursing.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3065 Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3028 Essentials of Nursing Practice</td>
<td>3 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>2 hrs</td>
</tr>
<tr>
<td>NUR 3616 Health Promotion Across the Lifespan</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3616L Health Promotion Across the Lifespan Clinical</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3125 Pathophysiology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3145 Pharmacology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225N 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 3818 Professional Nurse Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3445N Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3167 Accelerated Nursing Research Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 4227N 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 4229 Accelerated Transitioning into Professional Practice as a Leader</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4257 Introduction to Critical Care Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4945L Nursing Practicum</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4535 Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4637 Public and Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4637L Public Health Nursing Clinical</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

1 Students without a research course on transcript must take NUR 3165 (3 hrs)

5. Restricted Electives (3 hrs)

   Nursing Elective
   - Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement
Accelerated Undergraduate-Graduate Programs

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - None
- Graduation
  - None

8. Electives
- None

9. Additional Requirements
- Mandatory Drug Screening is required prior to admission and “on demand” for continuation in the program.
- Complete all courses in major with at least a “C” (2.0) or “S” grade when appropriate.
- Maintain a UCF GPA of 2.5 or above
- Maintain a College of Nursing GPA of 2.5 or above

10. Required Minors
- None

11. Departmental Exit Requirements
- 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

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

Total Undergraduate Hours Required
- 60

Honors In Major
- University Honors and Honors in the Major Available
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs
- Health Services Administration
- Social Work

Certificates
- None

Related Minors
- Aging Studies
- Psychology
- Health Sciences
- Health Services Administration

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Nursing courses and prerequisite courses transferred from private and out-of-state schools must be evaluated for equivalency credit and approved by the College of Nursing. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for Common Program Prerequisites may be acceptable if taken prior to transferring to UCF. Courses must be petitioned to the College of Nursing if not automatically approved.
  - General Psychology (PSY X012) or a General Psychology course (3 hrs)
  - General Sociology (SYG 2000) or an Intro to Sociology course (3 hrs)

- Statistics (STA 2014C or 2023) or a Statistics course (3 hrs)
- General Chemistry (CHM 1032 or another approved chemistry course (3 hrs) or approved science course (3 hrs)
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086) or an A&P I&II (8 hrs)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab. (4 hrs)
- Developmental Psychology (DEP 2004C) or a Human Growth & Development Across Life Span (3 hrs)
- Human Nutrition (HUN3011 or 2202 or 2201) or a Human Nutrition course (3 hrs)

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

UCF Legal Studies/Barry Law/Touro Law

Accelerated Legal Studies Degree Program
(B.A. / B.S. to J.D.)

College of Health and Public Affairs
Department of Legal Studies,
Health & Public Affairs I, Room: 343
https://www.cohpa.ucf.edu/legalstudies/
Email: legalstudies@ucf.edu

Dr. Margarita Koblasz, Program Coordinator,
Margarita.Koblasz@ucf.edu
Rupert Neish II, Program Academic Advisor, rupert.neish@ucf.edu
Dr. Marc Consalo, Internship Coordinator, marc.consalo@ucf.edu,
407-823-2970
Phone: 407-823-1670

Students seeking admission to either Barry University Dwayne O. Andreas School of Law in Orlando, Florida, or Touro College Jacob D. Fuchsberg Law Center in Central Islip, New York, through the accelerated legal studies program will meet all admissions requirements for the above referenced law school(s) and obtain a B.A./B.S. in Legal Studies after completion of the first year of the law school curriculum and all UCF requirements.

Admission Requirements
- Students should apply for selection into this program no later than the end of the first semester of their junior year. Early student applications will also be accepted. Eligibility requirements include being a declared Legal Studies major, SAT score of 1175, high school GPA of 3.6, successful completion of a minimum of 15 credit hours of UCF course work with a 3.2 UCF GPA, completion of at least 33 credit hours of the required coursework in sections 4 and 5 below in residence at UCF, a personal statement essay, two letters of recommendation and a personal interview. More information about the admission and selection process (as well as deadlines for the application process) may be found at http://www.cohpa.ucf.edu/legalstudies/index.shtml.

Degree Requirements
- Students selected by UCF faculty members for participation in the Accelerated Law Program must complete all UCF General Education Program requirements. all requirements for the major (B.A. or B.S.) in Legal Studies, and at least 90 total credit hours towards the baccalaureate degree.
Accelerated Undergraduate-Graduate Programs

Participants must maintain a minimum 3.2 overall GPA and cumulative 3.5 GPA in all UCF legal studies coursework. Failure to achieve minimum GPA requirements in any one semester may disqualify a student from further participation in the 3+3 Accelerated Law program.

Participating students may elect to complete their UCF bachelor’s degree in residence at UCF under the following circumstances: students not accepted by Barry or Touro Law may complete their remaining requirements for graduation from UCF with a bachelor’s degree; students who decide to opt out of the 3+3 Accelerated Law Program may elect to fulfill their remaining requirements for graduation from UCF with a bachelor’s degree; and students who do not successfully complete their first year of course work at law school may elect to return to UCF to fulfill their remaining requirements for graduation from UCF with a bachelor’s degree. Students decelerating to UCF decelerate back into the Legal Studies B.A./B.S. degree program. Students decelerating to UCF are bound by the UCF catalog requirements applicable to the year the student first entered UCF. For students passing some, but not all, of their required first year classes at Barry or Touro, classes successfully completed with a grade of “C” (2.0) or better will transfer back to UCF towards the successful completion of the student’s electives needed for graduation.

Only courses with grades of “C” (2.0) or better can be transferred to UCF’s legal studies’ program of study.

Students are required to consult with a departmental advisor each semester at UCF to ensure that student is wholly advised as to all specific program requirements. Failure to meet with a departmental advisor each semester constitutes grounds for dismissal from the Accelerated Law Program.

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

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

None

3. Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level (18 hrs)

All core requirements must be completed with a minimum grade of “C” (2.0) to satisfy the major.

PLA 3014 Law and the Legal System 3 hrs
PLA 3108 Legal Research 3 hrs
PLA 3155 Legal Writing 3 hrs
PLA 3205 Civil Practice and Procedure 3 hrs
PLA 3615 Property and Real Estate Law 3 hrs
PLA 4703 Professional Ethics and Liability 3 hrs

5. Restricted Electives (30 hrs)

Upper Division Restricted Electives 21 hrs

21 additional hours of Legal Studies coursework selected in consultation with an advisor

Supporting Courses 9 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 fifteen hours of supporting courses chosen with the approval of the student’s advisor.

6. Capstone Requirements (3 hrs)

Capstone must be completed with a minimum grade of “C” (2.0) to satisfy the major,

PLA 4935 Capstone: Legal Issues 3 hrs

7. Foreign Language Requirements

Admissions

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

Graduation

Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes ( ASL I, II and III).

8. Electives

If students chose the following electives, they must complete them with a minimum grade of a “C” (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements

Students in the accelerated program will complete the following courses in their first year at either Barry or Touro Law:

Barry Law School:

Fall Semester

LAW 5307 Contracts I 3 hrs
LAW 5101 Civil Procedure I 3 hrs
LAW 5228 Property I 3 hrs
LAW 5109 Torts I 3 hrs
LAW 5010 Legal Research and Writing I 3 hrs

Spring Semester

LAW 5407 Contracts II 3 hrs
LAW 5201 Civil Procedure II 2 hrs
LAW 5328 Property II 2 hrs
LAW 5209 Torts II 2 hrs
LAW 5020 Legal Research and Writing II 3 hrs
LAW 5106 Criminal Law 3 hrs

Touro Law School

Fall Semester

LAW 643 Legal Process I 3 hrs
LAW 671 Civil Dispute Resolution and Procedure I 3 hrs
LAW 610 Contracts I 3 hrs
LAW 615 Torts I 3 hrs
LAW 617 Criminal Law I 3 hrs

Spring Semester

LAW 633 Legal Process II 3 hrs
LAW 672 Civil Dispute Resolution and Procedure II 3 hrs
LAW 611 Contracts II 3 hrs
LAW 628 Torts II 3 hrs
LAW 631 Property I 3 hrs

10. Required Minors

None

11. Departmental Exit Requirements

For the accelerated program, the degree is awarded after successful completion of the first year of law school at either Barry or Touro Law and completion of all UCF requirements. All course work must be at the “C” (2.0) level or higher for transfer purposes.

The accelerated program student must have completed all of the UCF General Education Program Requirements, all requirements for the Legal Studies Major, and a minimum of 90 combined credit hours of work at UCF before matriculating to law school under this program.

Students must earn the equivalent of 120 hours of course work (UCF and Law School (first year or second year of Law School credit hours) before receipt of a UCF Legal Studies Degree.

For students decelerating to the 4 year B.A./B.S. program, the student must complete all coursework in the baccalaureate curriculum as shown for a Legal Studies B.A./B.S. degree as specified in the catalog and all university requirements, including the completion of 120 credit hours.

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
Accelerated Undergraduate-Graduate Programs

- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 120

Honors In Major
- None

Related Programs
- Criminal Justice
- History
- Political Science
- English - Pre-Law Track

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Graduate Courses Link
- None

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

The University offers four specialized degree programs for students who have graduated from a Florida College System institution with an A.S. in the following programs: Applied Science, Criminal Justice Technology, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the articulated A.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 CriminalJustice) from a Florida public community or state college.
2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 Florida College System institution A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.
3. Students should select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.
4. Students earning an Associate in Science have the option of completing the state approved general education program at a Florida community or state college or state university and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. The associate in science degree must include a minimum of 15 college credits of general education coursework. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF. Students must also meet the State General Education Core requirements.
5. Students with an Associate in Applied Science (A.A.S.) degree are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

Applicants who qualify for this program are not guaranteed admission to the limited access program in Nursing or programs that require specific grades in particular courses for admission.

Students should consult with their community or state college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites. Students are still required to complete all of the components of the Gordon Rule prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. To earn a bachelor’s degree, students must complete 36 hours of General Education Program.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Associate Director (407-823-2609), or the College of Undergraduate Studies (407-823-2372).

Applied Science B.A.S. (A.S. to B.A.S.)

College of Undergraduate Studies
Regional Campuses Administration,
12201 Research Parkway, Suite 101
http://www.regionalcampuses.ucf.edu/
Jennifer Sumner, Jennifer.Sumner@ucf.edu, 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. Candidates for this program must have earned a statewide articulated A.S. from a Florida College System institution in Fall 2000 or later. Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida College System institution or State University and must request an official transcript with “general education requirements met” on the transcript and sent to the UCF Registrar prior to their graduating term from the University of Central Florida. The associate in science degree must include a minimum of 15 college credits of general education coursework. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF. Students must also meet the State General Education Core requirements.

Degree Requirements

- Students must earn a “C” (2.0) or better in each course used to satisfy the BAS requirements in the core, track, and elective sections (sections 3, 5, and 8 below)
- Students must earn 42 semester hours of upper level credit.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including Gordon Rule, Foreign Language Admission, and General Education.

1. UCF General Education Program (GEP) (36 hrs)
   - Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:
     A: Communication Foundations (9 hrs)
     B: Cultural & Historical Foundations (9 hrs)
     C: Mathematical Foundations (6 hrs)
     D: Social Foundations (6 hrs)
     E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level (9 hrs)
   - Select 1:
     BUL 3130  Legal and Ethical Environment of Business or 3 hrs
     PLM 3014  Law and the Legal System 3 hrs

   - Select 1:
     ENC 3241  Writing for the Technical Professional or 3 hrs
     ENC 3250  Professional Writing 3 hrs

   - Select 1:
     MAN 3025  Management of Organizations or 3 hrs
     PAD 4104  Administrative Theory 3 hrs

4. Core Requirements: Advanced Level
   - None

5. Restricted Electives
   - Area of Concentration (Choose one)
   - All tracks are not available at all locations.

Admission Requirements

- Completion of an A.S. degree from a Florida College System institution in Fall 2000 or later including at least 15 hours of transferable general education courses. Other applicants will be given individual review.

UNIVERSITY OF CENTRAL FLORIDA
<table>
<thead>
<tr>
<th>Track</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Criminal Justice Track</strong></td>
<td>33 hrs</td>
</tr>
<tr>
<td><strong>Take all of the following:</strong></td>
<td>23 hrs</td>
</tr>
<tr>
<td>CCJ 3024  Criminal Justice System and bustling and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 3014  Crime in America and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 3510  Prosecution and Adjudication and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJC 3010  Corrections and Penology and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4014  Police and Society and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4701C Research Methods in Criminal Justice and</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CCJ 4746C Data Analysis for Criminal Justice</td>
<td>4 hrs</td>
</tr>
<tr>
<td><strong>Select 4:</strong></td>
<td>12 hrs</td>
</tr>
<tr>
<td>Twelve additional hours of CCJ, CJC, CJE, CJL, or CJT courses, selected with the aid of an academic advisor.</td>
<td></td>
</tr>
</tbody>
</table>

| **Legal Studies Track**                   | 18 hrs|
| **Take all of the following:**            | 6 hrs |
| PLA 3014  Law and the Legal System and    | 3 hrs |
| PLA 3108  Legal Research                  | 3 hrs |
| **Select 4:**                             | 12 hrs|
| PLA 3155  Legal Writing or                | 3 hrs |
| PLA 3205  Civil Practice and Procedure or | 3 hrs |
| PLA 3277  The Law of Torts or             | 3 hrs |
| PLA 3309  Criminal Procedure or           | 3 hrs |
| PLA 4424  The Law of Contracts or         | 3 hrs |
| PLA 4703  Professional Ethics and Liability | 3 hrs |

| **Health Services Administration**       | 18 hrs|
| **Take all of the following:**            | 15 hrs|
| HSA 3111  U.S. Health Care Systems and    | 3 hrs |
| HSC 4021  Community Health and            | 3 hrs |
| HSA 4190 Organization & Management for Health Agencies I and | 3 hrs |
| HSA 4191 Fundamentals of Health Information Technology and | 3 hrs |
| HSC 4500 Epidemiology                     | 3 hrs |
| **Select 1:**                             | 3 hrs |
| HSC 4652 Health Law and Ethics or         | 3 hrs |
| HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans or Health Sciences Research Methods or | 3 hrs |
| HSA 4702 Health Sciences Research Methods or | 3 hrs |
| HIM 4508C Quality Management              | 3 hrs |

| **Information Technology Track**          | 21 hrs|
| **Requirements for the track: An A.S. degree in computer technology, computer related field or at a minimum an A.S. degree and at least 3 different computer technology courses from computer applications, computer networking, computer programming, internet technologies or equivalent experience or education. The track has a computer programming course prerequisite or equivalent experience or C.I. Acceptable courses include C, C++, C#, Visual Basic, Java, or equivalent, or C.I.** | |
| Take all of the following:                | 21 hrs|
| CET 3353 Applied Systems Analysis I and   | 3 hrs |
| CET 4427 Applied Database I and           | 3 hrs |
| ETI 4448 Applied Project Management and   | 3 hrs |
| CBT 4746 Wide Area Networks I and         | 3 hrs |
| CBT 4749 Wide Area Networks II and        | 3 hrs |
| CET 4663 Computer and Network Security and | 3 hrs |
| CET 4483 Intro to Local Area Network Technology | 3 hrs |

| **Software Development Track**            | 21 hrs|
| **Requirements for the track: An A.S. degree in Computer Programming and Analysis (CP&A), or at a minimum an A.S. degree and at least 3 programming courses (an intro and 2 courses in the same language in sequence) and a database course.** | |
| Take all of the following:                | 21 hrs|
| COP 3330 Object Oriented Programming and   | 3 hrs |
| CEN 3024 Software Development I and       | 3 hrs |
| CEN 4025 Software Development II and       | 3 hrs |
| CEN 4910 Software Development Project and | 3 hrs |
| ETI 4448 Applied Project Management and    | 3 hrs |
| CEN 4802 Software Integration, Configuration, and Testing and | 3 hrs |
| CEN 4333 Advanced Database Development     | 3 hrs |

6. **Capstone Requirements**
- None

7. **Foreign Language Requirements**

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

Graduation
- None

8. **Electives**
- As required to complete upper level credit hour requirements.
- Consult with Program Advisor.

9. **Additional Requirements**
- None

10. **Required Minors**
- None

11. **Departmental Exit Requirements**
- None

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

**Total Semester Hours Required**
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- Consult Program Advisor.

Advising Notes
- Students may use 3 hours of internship as a part of the upper division requirements.

Transfer Notes
- Students have the option of completing the state approved general education program at a Florida College System institution or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student's graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.
- Lower division courses do not substitute for upper division courses.
- Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF.
- Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alcacademic_learning_compacts.htm
Articulated A.S. Programs

Criminal Justice - A.S. to B.S. Track (B.S.)
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@ucf.edu
Cory Watkins, UG Program Director
Phone: 407-823-2603

A.S. to B.S. Track (Completion program only for individuals who have a statewide articulated A.S. from a Florida College System institution)

Admission Requirements
■ Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida College System institution 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 College System institution.
■ Students must earn a grade of “C” (2.0) or better in each core course.
■ Students must earn a minimum overall GPA of 2.0 in all courses used to satisfy the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
■ Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP)
■ Completed as part of the approved A.S. program
■ See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level
■ None

4. Core Requirements: Advanced Level (30 hrs)
CJE 3001 Careers in Criminal Justice 4 hrs
CCJ 3024 Criminal Justice System 3 hrs
CCJ 3014 Crime in America 3 hrs
CCJ 4701C Research Methods in Criminal Justice 4 hrs
CCJ 4748C Data Analysis for Criminal Justice 4 hrs
CJL 3510 Prosecution and Adjudication 3 hrs
CJC 3010 Corrections and Penology 3 hrs
CJE 4014 Police and Society 3 hrs
CCJ 4054 Capstone: Criminal Justice Ethics 3 hrs

5. Restricted Electives (21 hrs)
■ 21 hours of upper criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
■ 9 additional semester hours of supporting courses to be selected with and approved by the student’s advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology.

6. Capstone Requirements
■ CCJ 4054 Capstone: Criminal Justice Ethics is required for this major.

7. Foreign Language Requirements

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

Graduation
■ None

8. Electives
■ None

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

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

Total Semester Hours Required
■ 130

Honors In Major
■ None

Related Programs
■ Legal Studies

Certificates
■ Crime Analysis and Crime Mapping
■ Criminal Profiling
■ Security Management
■ Crime Scene Investigation
■ Victim Advocacy
■ Criminal Justice Management and Leadership Certificate

Related Minors
■ Legal Studies
■ Public Administration
■ Psychology

Advising Notes
■ None

Transfer Notes
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
■ Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm
## Articulated A.S. Programs

### Hospitality Management - A.S. to B.S. Track (B.S.)

**Rosen College of Hospitality Management**

**Department of Hospitality Services,**

9907 Universal Boulevard, Orlando, FL 32819

**Email:** hospitality@mail.ucf.edu

Dr. Abraham Pizam, Dean

Phone: 407-903-8000

### Admission Requirements
- Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study.

### Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

### 1. UCF General Education Program (GEP) (18 hrs)
- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

<table>
<thead>
<tr>
<th>Area</th>
<th>Courses</th>
</tr>
</thead>
</table>
| A: Communication Foundations | MAC 1101C (3 hrs)  
| B: Cultural & Historical Foundations | STA 2023 (3 hrs)  
| C: Mathematical Foundations | MAC 2233 (3 hrs)  
| D: Social Foundations | MAC 2233 (3 hrs)  
| E: Science Foundations | MAC 1101C (3 hrs)  

### 2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000 Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2401 Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3431 Hospitality Industry Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3444 Hospitality Information Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3540 Guest Services Management I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286 Hospitality Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4295 Leadership and Strategic Management in Hospitality Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4464 Hospitality Industry Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4468 Revenue Management in the Hospitality Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3940 Internship I</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4941 Internship II</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4944 Internship III</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (36 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3700 Tourism Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3700 Principles of Resort Timesharing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4755 Theme Park and Attraction Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4277 Club Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (15 hrs)
- Students should select 15 credit hours from the list of Restricted Electives in the Hospitality Management B.S. degree, or select one of the Specialized Tracks.

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- State University System foreign language requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation
- None

### 8. Electives
- None

### 9. Additional Requirements
- 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.

### Total Semester Hours Required
- 124

### University Minimum Exit Requirements

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

### 11. Departmental Exit Requirements
- None

### 12. University Minimum Exit Requirements

<table>
<thead>
<tr>
<th>Note</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Honors in Major</td>
<td>None</td>
</tr>
<tr>
<td>B. Related Programs</td>
<td>None</td>
</tr>
<tr>
<td>C. Certificates</td>
<td>None</td>
</tr>
<tr>
<td>D. Related Minors</td>
<td>None</td>
</tr>
</tbody>
</table>

### Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

### Transfer Notes
- Florida College System students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

### Outside Transfer Requirements

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

### Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2401 Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**May be substituted with:**

- ACG X001
- ACG X011

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**UNIVERSITY OF CENTRAL FLORIDA**

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Plan of Study

Junior Year - Spring 15 hrs
- HFT 3540  General Education Requirement IV  3 hrs
- HFT 3940  General Education Requirement V  3 hrs
- HFT 4286  Hospitality Communications  3 hrs
- HFT 4944  Internship II  1 hr
- Sectorial Studies  3 hrs
- Hospitality Restricted Elective  3 hrs

Junior Year - Fall 13 hrs
- HFT 4464  Hospitality Industry Finance  3 hrs
- HFT 4286  Hospitality Communications  3 hrs
- HFT 4944  Internship III  1 hr
- Sectorial Studies  3 hrs
- Hospitality Restricted Elective  3 hrs

Senior Year - Spring 12 hrs
- HFT 4295  Leadership and Strategic Management in Hospitality  3 hrs
- Hospitality Restricted Electives  9 hrs

Senior Year - Fall 13 hrs
- HFT 4464  Hospitality Industry Finance  3 hrs
- HFT 4286  Hospitality Communications  3 hrs
- HFT 4944  Internship III  1 hr
- Sectorial Studies  3 hrs
- Hospitality Restricted Elective  3 hrs

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

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Nursing - A.S. to B.S.N. Track (B.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
Email: ucfnurse@ucf.edu
Dr. Mary Lou Sole, Dean
Dr. Maureen Covelli, Associate Dean
Dr. Stephen Heglund, RN-BSN Coordinator
Phone: 407-823-2744

BSN completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida public community or state college. (12/2000 or later)

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline.
- For application deadlines, please visit http://www.nursing.ucf.edu.
- Admission to the University must be completed by the program application deadline.
- All applicants must have a minimum overall undergraduate GPA of 2.8
- All applicants must have completed a Statewide Articulated A.S. in Nursing from a Florida College System institution. (graduation 12/00 or later). Individuals who received an A.S in Nursing prior to 12/00 or attended nursing school other than a Florida College System or State University System institution should review the Nursing - RN to BSN Program.
- All applicants must have current Licensure as an RN.
- All applicants must have completed the UCF General Education Program (GEP) requirements or completed an AA degree from a Florida College System or State University System institution or have no more than a total of 9 credit hours remaining to meet UCF General Education and/or Foreign Language graduation requirements.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline with at least a grade of “C” (2.0) or better in each course.
- All 8 prerequisite courses must be completed before program begins

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding completion of General Education Program requirements and Common Program Prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- 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) UCF General Education Program (GEP) and 7) Foreign Language Requirements must be completed prior to enrolling in the third semester in the BSN program. Students may have no more than 9 hours of outstanding coursework in these two areas at the time of admission.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Required ENC 1101  Composition I  3 hrs
   - Required ENC 1102  Composition II  3 hrs
   - Required SPC 1608  Fundamentals of Oral Communication  3 hrs

  B: Cultural & Historical Foundations (9 hrs)
  - Required STA 2023  Statistical Methods I  3 hrs
  - Required STA 2014C  Principles of Statistics  3 hrs

  C: Mathematical Foundations (6 hrs)
  - Required MAC 2311C  Calculus I  4 hrs
  - Required MAC 2312C  Calculus II  4 hrs

  D: Social Foundations (6 hrs)
  - Required STA 2023  Statistical Methods I  3 hrs
  - Required STA 2014C  Principles of Statistics  3 hrs

  E: Science Foundations (7 hrs)
  - Required and/or selected from:
    - General Biochemistry
    - Human Anatomy
    - Human Nutrition
    - Microbiology for Health Professionals
    - Microbiology for Health Professionals II

  2. Common Program Prerequisites (CPP) (18 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - 1 CHM 1032  General Chemistry  GEP
   - HUN 3011  Human Nutrition  3 hrs
   - MCB 2004C  Microbiology for Health Professionals  4 hrs
   - PCB 3703C  Human Physiology  4 hrs
   - ZOO 3733C  Human Anatomy  4 hrs

   Select 1:
   - STA 2014C  Principles of Statistics or STA 2023  Statistical Methods I  GEP

   Select 1:
   - SOW 3104  Human Behavior and the Social Environment I or DEP 2004  Developmental Psychology  3 hrs

   Select 1:
   - PSY 1222  General Psychology or SYG 2000  Introduction to Sociology  GEP

1 Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.
2 May take Anatomy and Physiology sequence of eight total credits
3 Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.
Articulated A.S. Programs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (56 hrs)

| UCF Core | NUR 3055 Dimensions of Professional Nursing | 3 hrs |
| NUR 3065 | Health Assessment | 2 hrs |
| NUR 3085 | Nursing Assessment Lab | 1 hr |
| NUR 3165 | Nursing Research | 3 hrs |
| NUR 3616 | Health Promotion Across the Lifespan | 2 hrs |
| NUR 4637 | Health Care Issues, Policy, and Economics | 3 hrs |
| NUR 4604L | Practicum in Community and Public Health | 4 hrs |
| NUR 4828 | Nursing Leadership, Management and Role Transition | 3 hrs |
| NUR 4637 | Public and Community Health Nursing | 3 hrs |
| NUR 3125 | Pathophysiology for Nursing Practice | 3 hrs |

Upper Division Credit (29 hrs)
- May be met by validation and RN License

| NUR 3028 | Essentials of Nursing Practice | 3 hrs |
| NUR 3028L | Essentials of Nursing Practice Lab | 1 hr |
| NUR 3755L | Essentials of Nursing Practice Clinical | 2 hrs |
| NUR 3225L | Nursing Care of the Adult I: Clinical Practice | 2 hrs |
| NUR 3445 | Nursing Care of Families | 4 hrs |
| NUR 3445L | Nursing Care of Families Clinical | 2 hrs |
| NUR 4227 | Nursing Care of the Adult II | 4 hrs |
| NUR 4227L | Nursing Care of the Adult II: Clinical Practice | 3 hrs |
| NUR 4535 | Psychiatric Mental Health Nursing | 3 hrs |
| NUR 4535L | Psychiatric Mental Health Clinical | 2 hrs |
| NUR 3225 | Nursing Care of the Adult I | 3 hrs |

5. Restricted Electives (3 hrs)
- Any one upper division nursing elective

6. Capstone Requirements
- None

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

8. Electives
- None

9. Additional Requirements
- A criminal background check and mandatory Drug Screening may be required prior to any clinical course and “on demand” for continuation in the program.
- Complete all courses in major with at least a “C” (2.0)
- Maintain a UCF GPA of 2.5 or above
- Maintain a College of Nursing GPA of 2.5 or above

Progression Requirements:
- Prior to third semester in the BSN program: 1) complete general education requirements or A.A. from a Florida College System or State University System institution; and 2) complete foreign language admission requirement.

Other:
- Selected courses may be offered at various Orlando and Regional Campuses.
- All AS to BSN courses are available online. Some classes and labs are also available in select campus. Clinical practice requirements are completed in the student’s home community. For more information visit http://www.nursing.ucf.edu.

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- Cumulative overall GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above
- This program must be completed in no more than seven years from enrollment in the first BSN course within Core Requirements.

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

Total Semester Hours Required: 128

Honors in Major
- Contact Program Coordinator or HIM Advisor

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes
- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (30 hrs)
- assuming general education, foreign language and nursing prerequisites are complete

Junior Year - Fall
- NUR 3055 Dimensions of Professional Nursing Practice
- NUR 3125 Pathophysiology for Nursing Practice

Junior Year - Spring
- NUR 3165 Nursing Research
- NUR 3065 Health Assessment Lab
- NUR 3065L Health Assessment Lab

Junior Year - Summer
- NUR 4637 Health Care Issues, Policy, and Economics
- NUR 4637 Public and Community Health Nursing

Senior Year - Fall
- NUR 4828 Nursing Leadership, Management and Role Transition
- NUR/NSP XXXX Nursing Elective

Senior Year - Spring
- NUR 4604L Practicum in Community and Public Health
- NUR 3616 Health Promotion Across the Lifespan

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

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
COMMON COURSE NUMBERING SYSTEM

Classification of Courses
The University course numbering system is as follows:

0-0999. 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 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.

8000-8999. Medical School courses. These courses provide material for the Medical School curriculum. They are restricted to students in the Medical School.

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 25 participating nonpublic institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

General Rule for Course Equivalences
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, as listed below in Exceptions to the General Rule for Equivalency.

Example of Course Identifier
<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code</th>
<th>Century Digit</th>
<th>Decade Digit</th>
<th>Unit Digit</th>
<th>Lab Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td></td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

For example, a freshman composition skills course is offered by 84 different public and non-public postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course. The first digit “1” represents 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 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 that has the same prefix and course number but 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 Florida College System institution. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. NOTE: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term system. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix
The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or subcategory 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 nonprofit 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.

UNIVERSITY OF CENTRAL FLORIDA

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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 courses that must be evaluated individually or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.

B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.

C. Courses in the 900-999 series are not automatically transferable and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses and Dissertations.

D. Applied academics for adult education courses.

E. Graduate courses.

F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.

G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

Courses at Nonregionally Accredited Institutions

The SCNS 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 SCNS and appeals regarding course credit transfer decisions should be directed to the Associate Dean, Undergraduate Studies, McIlrath Hall 210, University of Central Florida, 4365 Andromeda Loop North, Orlando, FL 32816, 407-823-2691 or to the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the SCNS office at 850-245-0427 or at http://scns.fldoe.org.

ADE Adult Education
ADV Advertising
AEB Agricultural Economics and Business
AEC Agricultural Education and Communication
AEE Agriculture and Extension Education
AER Automotive Mechanics
AF  African-American Studies
AFH African History
AFR Aerospace Studies
AFS African Studies
AGE Agricultural Engineering
AGEB Agricultural Education and Communication
AH Anesthesiology
AHM Anesthesiology
AHT Anesthesiology
AHR Anesthesiology
AHU Anesthesiology
AK Anesthesiology
AL Aerospace Engineering
AMS American Studies
AMT Aviation Maintenance Technology
ANT Anthropology
AOM Agricultural Operations Management
AP Applied Accounting
APK Applied Kinesiology
APR Arab Modern Languages
AQA Arabic Language
ARC Art History
ARD Architectural Design
ARE Art Education
ARTH Art Education
ART Art
ARTM Art Education
ASM American Sign Language
ASN Asian Studies
AST Astronomy
ATE Animal Science Technology
ATG Automotive Technology
ATT Athletic Training
AV Air Traffic Control
AVD Adult Education
AVM Aviation Management
AVS Avionics
AYM Ayurveda
BAN Banking
BCE Biotechnology
BCEA Biological Sciences
BCC Basic Communication
BCC Basic Clinical Clerkships (Required)
BCH Biochemistry (Biophysics)
BCL Building Construction
BCT Building Construction Trades
BCE Building Construction: Vocational
BME Biomedical Engineering
BMM Basic Medical Sciences
BOT Botany
BRC Banking Related Courses
BSE Biological Sciences
BTE Business Teacher Education
BUS Business Law
CAP Computer Applications
CAS Clinical Audiology and Speech Language
CAT Cardiovascular Technology
CBH Comparative Psychology and Animal Behavior
CC Civil Construction Engineering
CCJ Criminology and Criminal Justice
CDA Computer Design/Architecture
CE Geotechnical Engineering
CEN Computer 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
CJK Juvenile Justice
CJD Criminal Justice Basic Training
(CJA or Vocational)
CJL Law & Process
CJT Criminal Justice Technologies
CLA Classical and Ancient Studies
CLP Clinical Psychology
CLT Classical Culture in Translation or Translation Studies
CMM Corporate Media Communication
CMT Computer Networks
COA Home Economics: Consumer Affairs
COE Cooperative Education
COM Communication
COP Computer Programming
COS Cosmetology
COT Computing Theory
CPO Comparative Politics
CPS Comparative Policy Studies
CPT Cardiopulmonary Technology - See CVT
CRW Creative Writing
CST Critical Thinking Studies
CTE Home Economics: Clothing and Textiles
CTS Computer Technology and Skills
CVT Cardiovascular Technology
CWR Civil Water Resources
CYP Community Psychology
CZE Czech Language
CZT Czech Culture in Translation or Translation Skills
DA Dance, Emphasis on Activity
DAE Dance Education
DAN Dance
DAS Dairy Science
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
DIT Digital, Hybrid, and Alternative Fuel Technology
DOM 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
EBO Educational: Emotional/Behavioral Disorders
ECU English: Engineering
ECM Engineering: Computer Math
ECON Economics
ECP Economic Problems & Policy
ECS Economic Systems & Development
ECT Education: Career/Technical
ECW Education: Career/Workforce
EDA Educational Administration
EDE Education: Elementary
EDF Education: Foundations and Policy Studies

UNIVERSITY OF CENTRAL FLORIDA
Undergraduate Catalog 2017-2018
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### Common Course Numbering System

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<td>SOP</td>
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<td>SRT</td>
<td>Sanskrit Culture in Translation or Translation Skills</td>
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<tr>
<td>SRW</td>
<td>Sanskrit Literature (Writings)</td>
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<tr>
<td>SSS</td>
<td>Sub-Saharan African Languages</td>
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<tr>
<td>SSW</td>
<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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<td>SUR</td>
<td>Surveying &amp; Related Areas</td>
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<tr>
<td>SVL</td>
<td>Savings and Loan (IFC Courses Only)</td>
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<td>SWA</td>
<td>Swahili Language</td>
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<td>SWT</td>
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<tr>
<td>SYY</td>
<td>Swahili Literature (Writings)</td>
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<td>SYA</td>
<td>Sociology, General</td>
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<td>SYD</td>
<td>Sociology Of Demography/Area Studies/Sociological Minorities</td>
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<td>SYG</td>
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<td>Social Processes</td>
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<td>Theatre Production and Administration</td>
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<td>TPR</td>
<td>Theatre Performance and Performance Training</td>
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<td>TTT</td>
<td>Transportation Engineering</td>
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<td>TUR</td>
<td>Turkish Language</td>
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<td>TUT</td>
<td>Turkish Culture in Translation or Translation Skills</td>
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<td>TUW</td>
<td>Turkish Literature (Writings)</td>
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<td>UED</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>VEC</td>
<td>Vegetable Crops</td>
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<td>VNC</td>
<td>Veterinary Nomenclature</td>
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<tr>
<td>VPI</td>
<td>Vocational Preparatory Instruction</td>
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<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>WDS</td>
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<td>WIS</td>
<td>Wildlife Science</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>
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<td>XHO</td>
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<td>XHT</td>
<td>Xhosa Culture in Translation or Translation Skills</td>
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<td>XHW</td>
<td>Xhosaan Literature (Writings)</td>
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<tr>
<td>ZOO</td>
<td>Zoology</td>
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</table>
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.

<table>
<thead>
<tr>
<th>Special Course</th>
<th>Undergraduate</th>
<th>Graduate '</th>
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<tbody>
<tr>
<td>Directed Independent Studies</td>
<td>1906, 2905, 3905, 4906</td>
<td>5907</td>
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<tr>
<td>Directed Independent Research</td>
<td>4912</td>
<td>5917</td>
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<tr>
<td>Special Undergraduate Research</td>
<td>IDS 3013, 4914</td>
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<tr>
<td>Special Topics/Seminars</td>
<td>1931, 2930, 3930, 4932</td>
<td>5937</td>
</tr>
<tr>
<td>*Internship, Practicum, Clinical Prac</td>
<td>3940, 4941</td>
<td>5944</td>
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<tr>
<td>Cooperative Education</td>
<td>1949, 2949, 3949, 4949</td>
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<tr>
<td>Honors Undergraduate Thesis</td>
<td>3970H, 4970H</td>
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<tr>
<td>Honors Directed Reading</td>
<td>4903H</td>
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<tr>
<td>Study Abroad</td>
<td>4955</td>
<td>5957</td>
</tr>
</tbody>
</table>

*These courses may be assigned variable credit. Some may be repeated upon approval.

1The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

2Enrollment is limited to those students who are fully admitted to the Graduate Program.

3Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.

CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.

CI: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.

Example:

| ART 2500C CAH-SVAD | 3(2.4) |

ART 2500C is offered by the College of Arts and Humanities (CAH), in the School of Visual Arts & Design (SVAD), and carries 3 hours of credit but requires 6 contact hours, which consists of 2 hours in class and 4 hours laboratory or field work.

College/School/Department Indicator

Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities, COM = Communication, CON = Concurrent, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HPA = Health and Public Affairs, OPT = Optics, RCHM = Rosen College of Hospitality Management, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

<table>
<thead>
<tr>
<th>College/School/Department</th>
<th>Department</th>
<th>Abbreviation</th>
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</thead>
<tbody>
<tr>
<td>BA</td>
<td>Accounting</td>
<td>ACCT</td>
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<tr>
<td>BA</td>
<td>Business</td>
<td>BA</td>
</tr>
<tr>
<td>BA</td>
<td>Economics</td>
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<td>BA</td>
<td>Finance</td>
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<td>MAN</td>
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<td>BA</td>
<td>Marketing</td>
<td>MAR</td>
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<td>BHC</td>
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<td>CAH</td>
<td>Africana Studies</td>
<td>AS</td>
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<tr>
<td>CAH</td>
<td>Arts &amp; Humanities</td>
<td>CAH</td>
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<tr>
<td>CAH</td>
<td>English</td>
<td>ENG</td>
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<tr>
<td>CAH</td>
<td>Interactive Entertainment Academy</td>
<td>FIAE</td>
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<tr>
<td>CAH</td>
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<td>Judaic Studies</td>
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<td>Latin American Studies</td>
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<td>CAH</td>
<td>Modern Languages</td>
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<td>CAH</td>
<td>Philosophy</td>
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<td>CAH</td>
<td>School of Visual Arts &amp; Design</td>
<td>SVAD</td>
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<td>CAH</td>
<td>Theatre</td>
<td>THEA</td>
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<td>CAH</td>
<td>Women’s Studies</td>
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<tr>
<td>CAH</td>
<td>Writing &amp; Rhetoric</td>
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<tr>
<td>COM</td>
<td>Medicine</td>
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<tr>
<td>COM</td>
<td>Burnett School of Biomedical Sciences</td>
<td>BSBS</td>
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<td>CON</td>
<td>Nursing</td>
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<td>ECS</td>
<td>Air Force ROTC-Aerospace</td>
<td>AFROTC</td>
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<td>Civil, Env &amp; Const Eng</td>
<td>CECE</td>
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<td>Computer Science</td>
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<td>Electrical &amp; Computer Eng</td>
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<td>Engineering</td>
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<td>ECS</td>
<td>Industrial Eng &amp; Management Systems</td>
<td>IEMS</td>
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<td>Materials Sci &amp; Engineering</td>
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<td>ECS</td>
<td>Mechanical &amp; Aerospace Engineering</td>
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<td>ECS</td>
<td>Military Science-Army ROTC</td>
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<td>Educational &amp; Human Sciences</td>
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<td>Teaching, Learning &amp; Leadership</td>
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<td>HPA</td>
<td>Communication Sciences &amp; Disorders</td>
<td>COM SC&amp;DIS</td>
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<td>Criminal Justice</td>
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<td>Health Management &amp; Informatics</td>
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<td>HPA</td>
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<tr>
<td>RCHM</td>
<td>Foodservice &amp; Lodging Mgmt</td>
<td>FOOD&amp;LOGD</td>
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<td>Hospitality Management</td>
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<td>RCHM</td>
<td>Tourism, Events &amp; Attractions</td>
<td>TEA</td>
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<tr>
<td>UGST</td>
<td>Undergrad/Interdisc Studies</td>
<td>INTERDIS</td>
</tr>
</tbody>
</table>
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 Search at https://my.ucf.edu for those courses offered each semester/term. At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.

ACG 2021 BA-ACCT 3(3,0)
Principles of Financial Accounting: PR: MAC 1105C, with a grade of "C" or better. Theory and practice of financial 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 1105C with a grade of "C" or better, 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 with a grade of "C" or better. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

ACG 2403 BA-ACCT 3(3,0)
Advanced Issues in Financial Accounting: PR: Accounting major and "C" (2.0) or better in ACG 2071 and ACG 3361. Advanced issues in financial accounting, including consolidations and IFRS. Fall, Spring.

ACG 4671 BA-ACCT 3(3,0)
Internal Auditing: PR: Accounting major or minor, ACG 2021H with a grade of "C" or better. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

ACG 4803 BA-ACCT 3(3,0)
Honors Principles of Financial Accounting: PR: MAC 1105C, with a grade of "C" or better. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

AFH 5806 CAH-AS 3(3,0)
The African Diaspora: Theories and Movements: Fall, Spring.

AFA 3300 CAH-AS 3(3,0)

AFA 3371 CAH-AS 3(3,0)
Evolution of Hip Hop: PR: ENC 1102 or C.I. An historical analysis of Hip Hop from its African roots to the present with emphasis on the socio-political implications of this phenomenon. Occasional.

AFA 3371H CAH-AS 3(3,0)

AFA 3420 CAH-AS 3(3,0)
Malcolm X, Black Nationalism, and Internationalism: PR: ENC 1102 or C.I. Comprehensive analysis of the social/political thought of Malcolm X and its impact on African political struggles. Fall.

AFA 3850 CAH-AS 3(3,0)

AFA 3955 CAH-AS 3(3,0)
Study Abroad in the Caribbean: PR: ENC 1102 or C.I. Interdisciplinary study abroad program focuses on the arts and humanities of African diasporic cultures in the Caribbean. Occasional.

AFA 4040 CAH-AS 3(3,0)

AFH 3100 CAH-HIST 3(3,0)
African History to 1870: PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.

AFA 3200 CAH-HIST 3(3,0)

AFA 5259 CAH-HIST 3(3,0)
Graduate Readings in African History: PR: Graduate standing or C.I. Readings on selected topics in African History. May be used in the degree program a maximum of 3 times. Odd Fall.

AFH 5806 CAH-HIST 3(3,0)
The Historiography of Slavery in Africa: PR: Graduate standing or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.

AFA 3244 CAH-HIST 3(3,0)
The Black Intellectual Experience: PR: ENC 1102. Interdisciplinary examination of major texts, theories, practices and philosophic foundations in Black intellectual and cultural history. Fall, Spring.

AFA 3244H CAH-HIST 3(3,0)
African Social & Cultural Movements: PR: ENC 1102. Analytical look at the role cultural arts played in the emancipation and civil rights efforts that followed the trans-Atlantic slave trade. Occasional.
AMH 2020H

AMH 3220
Air Force Leadership and Management I: PR: Consent of Air Force ROTC. An introductory study of Air Force management fundamentals, communications skills, and basic leadership styles. Hands-on training required in accordance with the AFROTC program. Fall.

AMH 3230

AMH 4201
National Security Affairs and Prep for Active Duty: PR: AFR 3220 and Consent of Air Force ROTC. Examination of the military and its role in American society. A study of the framework and formation of defense strategy. Hands-on training required in accordance with the AFROTC program. Fall.

AMR 2130
The Development of Air Power I: PR: Consent of Air Force ROTC. A study of the development of air power in the 20th-century battleships to the achievement of combat air power capabilities during World War II. Hands-on training required in accordance with the AFROTC program. Fall.

AMR 2131

AMH 2010

AMH 2010H

AMH 2020
U.S. History: 1877-Present: Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. Fall, Spring.

AMH 2020H
Honors U.S. History: 1877-Present: PR: Permission of Honors and AMH 2010 or C.I. Survey of U.S. History from 1877 to the present. May be taken before AMH 2010 or C.I. Fall, Spring.

AMH 3370

AMH 3402
History of the South to 1865: PR: AMH 2010 or AMH 2020 or C.I. Development of the southern colonies, beginning sectionalism, the cotton economy, and slavery. Calhoun’s constitutional theories, secession, Civil War and its aftermath. Occasional.

AMH 3403
History of the South Since 1865: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, the “solid South,” and the racial dilemma, progressivism for whites only southern literature, 20th-century economic, political and social changes, and the new Reconstruction. Occasional.

AMH 3422

AMH 3425

AMH 3441
History of the Frontier: Eastern America: PR: AMH 2010 and AMH 2020, or C.I. The progression of the westward movement from the colonial settlements to the Mississippi, considered as an interpretive approach to American history. Occasional.

AMH 3442

AMH 3483
History of Florida Indians: PR: AMH 2010 or AMH 2020. Enhances understanding of Indian peoples living in the vicinity of present-day Florida from the pre-colonial period to the present. Occasional.

AMH 3541
U.S. Military History To 1900: PR: AMH 2010 and AMH 2020, or C.I. U.S. military history from the colonial period to 1900 focusing on the creation of American military institutions, conduct of war, and influence on society. Occasional.

AMH 3547

AMH 3558

AMH 3560

AMH 3561

AMH 3562

AMH 3571

AMH 3572

AMH 3580

AMH 3586

AMH 3610

AMH 3611

AMH 3800
Canadian History: Canada since Colonial times and the present, but with emphasis on the period since the British North America Act, 1867. Occasional.

AMH 4110
Colonial America, 1607-1763: PR: AMH 2010 and AMH 2020, or C.I. The voyages of discovery, the origins of the thirteen colonies, and their political, economic, social, and religious life in the 17th and 18th centuries. Occasional.

AMH 4112
The Atlantic World: PR: C.I. The impact and transforming effect of the Atlantic System on the peoples of Western Europe, Western Africa, the Caribbean and the Americas. Occasional.

AMH 4130

AMH 4140

AMH 4160
Jacksonian America: PR: AMH 2010 and AMH 2020, or C.I. The risk of American nationalism, Jacksonian Democracy, the Mexican War, and sectional conflict. Occasional.

AMH 4170

AMH 4201

AMH 4231
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.

AMH 4270

AMH 4273
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 2140 COS-ANTHRO 3(3,0) Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

ANT 2410 COS-ANTHRO 3(3,0) Cultural Anthropology: Global Perspectives: Local Contexts: 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. Prereq: Human biological variation in an evolutionary perspective. Fall.

ANT 3026 COS-ANTHRO 3(3,0) Mummies, Zombies, and Vampires: Anthropology of the Undead: PR: Sophomore standing. Anthropological exploration into the phenomenon of the undead (namely, zombies, vampires and mummies) and our fascination with this subject. Occasional.

ANT 3106 COS-ANTHRO 3(3,0) Archaeology and Popular Culture: PR: Sophomore standing. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. Occasional.

ANT 3107 COS-ANTHRO 3(3,0) Blood and Valor in the Viking World: PR: Sophomore standing. Exploration of the Viking Age societies. Fall, Spring.


ANT 3145 COS-ANTHRO 3(3,0) Archaeology of Colonial Societies: PR: AN 2140 or C.I. Theoretical perspectives on ancient hierarchies of power. Fall, Spring.

ANT 3148 COS-ANTHRO 3(3,0) Life and Death in Ancient Egypt: PR: Sophomore standing. Use of archaeology and physical anthropology to examine the lives and deaths of both common citizens and royalty in Ancient Egypt. Fall.

ANT 3152 COS-ANTHRO 3(3,0) Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest: PR: Sophomore Standing or C.I. The precolombian history of the Native peoples of the U.S. Southwest and the region's first colonists to Puebloan and Navajo groups of the Contact era. Even Fall.

ANT 3154 COS-ANTHRO 3(3,0) A Survey of American Historical Archaeology: PR: Sophomore Standing or C.I. Examines the history of the United States from the arrival of Europeans through the early 20th century to understand America’s history using archaeological principles. Even Fall.

ANT 3158 COS-ANTHRO 3(3,0) Florida Archaeology: PR: Sophomore standing. A survey of Florida prehistory from Paleo-Indian to European contact including archaeological periods, cultural areas, sites, and artifacts. Spring.

ANT 3160 COS-ANTHRO 3(3,0) Americas Before Columbus: PR: Sophomore standing. Prehistoric traditions, regional traditions 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) Ancient Mexico: Aztec to Zapotec: PR: Sophomore Standing or C.I. Examinations of civilizations of Mexico (Olmec, Zapotec, etc.) as well as lesser known archaeological cultures. Occasional.

ANT 3163 COS-ANTHRO 3(3,0) Mesoamerican Archaeology: PR: Sophomore standing. An introduction to the prehistory of Mexico, Guatemala, and the upper Central Americas from earliest times through the Spanish conquest. Fall.

ANT 3164 COS-ANTHRO 3(3,0) Ancient Incas: PR: Sophomore standing, or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnohistorical, and contemporary archaeological sources. Spring.
ANT 4332 COS-ANTHRO 3(3,0)
People and Cultures of Latin America: PR: One of the following: ANT 2500, SYG 2000, PSY 232, ANT 2410, or C.I. History and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. Odd Fall.

ANT 4340 COS-ANTHRO 3(3,0)

ANT 4352 COS-ANTHRO 3(3,0)
African Societies and Cultures: PR: ANT 2000 or SYG 2000 or C.I. Anthropological survey of Africa examining the historical, cultural, and economic diversity of the continent over time. Even Fall.

ANT 4406 COS-ANTHRO 3(3,0)

ANT 4408 COS-ANTHRO 3(3,0)
Culture, Disease, and Healing: PR: Sophomore Standing or C.I. Exploration of culture in shaping the experience and perceptions of health, sickness, and well-being in a variety of contexts. Spring.

ANT 4441 COS-ANTHRO 3(3,0)
Anthropology of Cities: PR: ANT 2140 or Junior Standing. Cities in the past and present along with the activities and social systems that create them from an archaeological and anthropological perspective. Even Spring.

ANT 4462 COS-ANTHRO 3(3,0)
Medical Anthropology: PR: Sophomore standing or C.I. Anthropological approaches of drugs and addiction in the U.S. and internationally as topics of cultural, political, economic, and health concerns. Odd Fall.

ANT 4467 COS-ANTHRO 3(3,0)
Nutritional Anthropology: PR: ANT 2511 or C.I. Anthropological approaches of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. Occasional.

ANT 4480 COS-ANTHRO 3(3,0)
Global Health in Anthropological Perspective: PR: Sophomore standing or C.I. The exploration of global health issues from an anthropological and cross-cultural perspective. Odd Fall.

ANT 4481 COS-ANTHRO 3(3,0)
Anthropology of Drugs and Addiction: PR: Sophomore Standing, or C.I. Anthropological approaches of drugs and addiction in the U.S. and internationally as topics of cultural, political, economic, and health concerns. Odd Fall.

ANT 4482 COS-ANTHRO 3(3,0)
Anthropology of Mental Health: PR: Junior Standing or any upper level course in Anthropology, Sociology, Psychology, or Social Work. Anthropological approaches to mental health and examines mental health and healing in cross-cultural perspective. Odd Spring.

ANT 4483 COS-ANTHRO 3(3,0)
Health and Healing in the Ancient World: An Anthropological Perspective: PR: Sophomore Standing or C.I. The study of health and healing in the human past and how archaeologists can determine patterns and changes over time. Odd Spring.

ANT 4516 COS-ANTHRO 3(3,0)
Human Biological Diversity: PR: ANT 2511 or BSC 2010C or C.I. Human biological variation and adaptation. Spring.

ANT 4521 COS-ANTHRO 3(3,0)
Forensic Anthropology: PR: One of the following: ANT 2511, CHS 3501, any 4000 level Criminal Justice class, or C.I. The study of human skeletal remains in relation to a legal context. Fall.
ARC 4323L CAH-SVAD 3(3,0) Architectural Design 8: PR: ARC 4322L. Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.

ARC 4620 CAH-SVAD 3(3,0) Environmental Technology 2: CR: ARC 4322L. PR: ARC 3610 or C.I. Fundamentals of architectural lighting, acoustics, electrical power distribution and building communication systems. Fall.

ARC 4694 CAH-SVAD 3(3,0) In the Space of Health and Wellness: PR: ARC 3321L. Considers healthcare issues, facility design, environmental impact, and disruptive technology and convergence of health, research and technology. Occasional.

ARE 2000 ED-CFCS 3(0,0) 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-SVAD 3(2,3) Community Art Practicum: PR: C.I. A supervised, hands-on experience for students to facilitate art programming in a variety of community settings. Occasional.

ARE 4250 ED-TL&L 3(3,0) Art for Exceptionalities: PR: Admission to the College of Education, Art Education Program or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental exceptionalities. Spring.

ARE 4260 CAH-SVAD 3(3,0) Methods in Art Administration: PR: ARH 3620. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. Occasional.

ARE 4351 ED-TL&L 3(3,0) Teaching Art in the Elementary School: PR: Admission into the Art Education Program or Art Education Minor. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&S fee $5.00

ARE 4352 ED-TL&L 3(2,1) Teaching Art in the Secondary School: PR: Admission into the Art Education program or Art Education Minor. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring. M&S fee $5.00

ARE 4356 ED-TL&L 3(3,1) Teaching Art Appreciation & Criticism in the Classroom: PR: ARH 2050 and ARH 2051. An examination of art appreciation programs and concepts toward planning curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. Fall. M&S fee $8.00

ARE 4453 ED-TL&L 3(3,0) Studio Experiences in Art Education: PR: Admission into the College of Education, Art Education Program 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 used in the degree program a maximum of 3 times. Spring. M&S fee $5.00


ARE 5255 ED-TL&L 3(2,1) Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupational orientation and other recreational areas. Occasional.

ARE 5359 ED-TL&L 4(3,0) Teaching Art K-12: PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&S fee $5.00

ARE 5454 ED-TL&L 3(3,0) Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee $10.00

ARE 5648 ED-TL&L 3(3,0) Contemporary Visual Arts Education: PR: Graduate standing or C.I. Continued study of current programs and innovations in public school Visual Arts Programs. Occasional.

ARH 2050 CAH-SVAD 3(3,0) History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Fall.

ARH 2050H CAH-SVAD 3(3,0) Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-SVAD 3(3,0) History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Spring.

ARH 2051H CAH-SVAD 3(3,0) Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

ARH 2500 CAH-SVAD 3(3,0) History of Non-Western Art: Major visual arts in various non-Western cultures. Fall/Spring.

ARH 3471 CAH-SVAD 3(3,0) Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.

ARH 3610 CAH-SVAD 3(3,0) American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.


ARH 3670 CAH-SVAD 3(3,0) Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1802 to 1900) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.

ARH 3674 CAH-SVAD 3(3,0) Latin American Popular Visual Culture: PR: ANT 3332 or C.I. Latin American popular culture beyond "fine art", produced in Latin America, the United States, and the Caribbean. Odd Spring.

ARH 3683 CAH-SVAD 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-SVAD 3(3,0) History of Photography I: PR: Junior Standing or C.I. History of still photography from its earliest inception to 1900. The content of this course is designed for art majors. Occasional.

ARH 3713 CAH-SVAD 3(3,0) 20th Century Photographic History: PR: Junior Standing. The history of the evolution of still photography from the early 20th Century to contemporary practice. Occasional.

ARH 3720 CAH-SVAD 3(3,0) History of Prints: PR: ARH 2050 and ARH 2051 or C.I. History of printmaking in the Western world, surveying works by the "great printmakers." Occasional.

ARH 3728 CAH-SVAD 3(3,0) History of Illustration: PR: ARH 2050 and ARH 2051. Western illustration from ancient and medieval manuscripts through nineteenth century cartoon, caricature, book, magazine illustration, and advertising. Occasional.

ARH 3820 CAH-SVAD 3(3,0) Visual Arts Administration Vitas: PR: Junior Standing or C.I. Grant applications; Personnel; copyright laws; museum practices, etc. Occasional.

ARH 3842 CAH-SVAD 3(3,0) Art History Abroad: Italy: PR: ARH 2050 and ARH 2051 or C.I. Meets in Italy and explores Italian art, architecture, artists, patrons, and culture from the Roman period through the late Baroque. Occasional.

ARH 3888 CAH-SVAD 3(3,0) Disney: PR: ENC 1102 or C.I. Examines the animation, art, and architecture of Disney. Occasional.

ARH 4130 CAH-SVAD 3(3,0) Greek Art and Architecture: PR: ARH 2050 and ARH 2051. Examines the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. Occasional.

ARH 4150 CAH-SVAD 3(3,0) Roman Art and Architecture: PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantinian. Occasional.

ARH 4200 CAH-SVAD 3(3,0) Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. Occasional.

ARH 4310 CAH-SVAD 3(3,0) Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. Occasional.


ARH 4350 CAH-SVAD 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-SVAD 3(3,0) Eastern Baroque Art: PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.

ARH 4430 CAH-SVAD 3(3,0) 19th Century Art: PR: ARH 2050 and ARH 2051. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. Occasional.

ARH 4450 CAH-SVAD 3(3,0) 20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of the art from Fauvism, Futurism, Cubism to the art of the present. Occasional.
ARH 4653 CAH-SVAD 3(3,0) Meso American Art: PR: Junior Standing or C.I. A survey of the art of Mexico and Central America, from the Pre-Colombia, through the Spanish Colonial, to the 20th century. Occasional.

ARH 4800 CAH-SVAD 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 the theoretical approaches to art meaning through time; art examples from various periods/cultures. Occasional.

ARH 4871 CAH-SVAD 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.

AR 5897 CAH-SVAD 3(3,0) Advanced Seminar in Art History: PR: ARH 2050 and C.I. Research methods on various topics including: major artist, monument, cultural period or theme. Occasional.

ART 2201C CAH-SVAD 3(2,4) Design Fundamentals-Two Dimensional: 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 two-dimensional design problems, including problems in black and white and basic color theory. Fall, Spring. M&S fee $15.00

ART 2203C CAH-SVAD 3(2,4) Drawing Fundamentals: 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 $45.00

ART 2754C CAH-SVAD 3(2,4) Beginning Ceramics: PR: ART 2201C or C.I. Basic concepts of ceramic design, experience in processes of forming, decorating, glazing, and firing pottery. Fall, Odd Spring. M&S fee $35.00

ART 2823 CAH-SVAD 3(3,0) Art as Interface: An overview of art department specializations, and selected historical and theoretical information on the role of the artist in the creation of art objects by integrating painting, sculpture, drawing, design, and art history. Occasional.

ART 3161 CAH-SVAD 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, design, and art history. Occasional.

ART 3170C CAH-SVAD 3(2,4) Book Binding: PR: ART 2201C, ART 2203C, and ART 3176C. Mending, repairing, and book binding techniques to make artist books. Fall, Spring. M&S fee $44.00

ART 3171C CAH-SVAD 3(2,4) Materials for Artists Books: PR: ART 2201C, ART 2203C, and ART 3170C. Production of materials used for an artist in the creation of books. Occasional. M&S fee $32.00


ART 3176C CAH-SVAD 3(2,4) The Illustrated Book: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and ART 3170C. The creation of visual, illuminated responses to language from stories, fables, poetry, and books using a variety of media. Occasional. M&S fee $45.00


ART 3332C CAH-SVAD 3(2,4) Intermediate Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate problems in drawing, with emphasis on the human form. Fall, Spring.

ART 3343C CAH-SVAD 3(2,4) Screenprinting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Techniques of waterbase screenprinting, including digital/photo processes and practical applications of screenprinting as a means for image making. Occasional.

ART 3504C CAH-SVAD 3(2,4) Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Reinforces and extends methods and materials content of ART 2500C, and deals with issues of narrative content. Fall, Spring. M&S fee $15.00

ART 3643C CAH-SVAD 3(2,4) Digital Effects & Compositing: PR: DIG 3791 and declared Character Animation specialization, or ART 3500 and DIG 4780c and declared Experimental Animation specialization. Special effects and compositing for computer animation and film, focusing on the use of After Effects, Premier and Photoshop or comparable software. Fall.

ART 3709C CAH-SVAD 3(2,4) Intermediate Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review. Examines the concepts of two-dimensional forms. Fall, Spring. M&S fee $45.00

ART 3737C CAH-SVAD 3(2,4) Narrative Sculpture: PR: ART 2201C, ART 2300C, ART 2301C, and ART 2101C. Aesthetics of sculpture encompassing narrative content and referencing historical contexts. May be repeated for credit. Occasional.

ART 3761C CAH-SVAD 3(2,4) Intermediate Ceramics: PR: ART 2201C, ART 2203C, ART 2300C and ART 2301C. Continuation of ceramic processes. Fall, Spring. M&S fee $35.00

ART 3764C CAH-SVAD 3(2,4) Ceramic Handbuilding I: PR: Junior standing. Topics in ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&S fee $35.00

ART 3824 CAH-SVAD 3(3,0) Japanese Manga & Anime: PR: ENC 1102 or C.I. Explores the real and imaginary robotic beings inhabiting the fictional worlds of Japanese Anime and Manga. Occasional.

ART 3883C CAH-SVAD 3(2,4) Processes and Ideas in Art: PR: Junior Standing. This course emphasizes the development of individual creativity and the generation of new insights concerning artistic expression. These "formative activities" must be manifested by students in the form of small sculptures and/or other forms of creativity. Occasional.

ART 3883C CAH-SVAD 3(2,4) Honors Processes and Ideas in Art: PR: Consent of Honors. Generation of new insights concerning artistic expression with an emphasis on the individual creation of visual art objects. With Honors content. Occasional.


ART 3951C CAH-SVAD 3(2,4) Design Intensive: PR: Any 2000 level Art History. Interdisciplinary design course emphasizing visual literacy skills and finished design projects with real world clients. Course covers two and three dimensional design content. Occasional.

ART 4172C CAH-SVAD 3(2,4) Book Repair and Restoration: PR: ART 2201C, ART 2203C, and ART 3170C. Mending, repairing, and re-binding books from the Library and Special Collections. Occasional.


ART 4177C CAH-SVAD 3(2,4) Commercial Book Design and Publishing: PR: ART 2823 and Junior standing or C.I. Analysis of art and design elements and their interpretation from a historical perspective. Occasional.

ART 4320C CAH-SVAD 3(2,4) Advanced Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and ART 3332C. May be repeated for credit. Fall, Spring.


AST 2037 COS-PHYS 3(3,0) Life in the Universe: A thought provoking journey through solar system environments and extraterrestrial planets to establish the probability of life on other planets in our solar system and beyond. Occasional.

AST 3110 COS-PHYS 3(3,0) Solar System Astronomy: PR: AST 2002, PHY 2023C. Interdisciplinary approach to the dynamics of the Solar System through application of Physics, Atmospheric Science, Chemistry and Geology. Even Fall.

AST 3211 COS-PHYS 3(3,0) Stellar Astrophysics: PR: AST 2002 and PHY 3101. The physics and dynamics of stars, including star formation and stellar evolution. Occasional.

AST 3402 COS-PHYS 3(3,0) Galaxies and Cosmology: PR: AST 2002 and PHY 2046C. Study of the different types of galaxies, their evolution and relationship to active galaxies and quasars, and the evolution of the universe. Odd Fall.

AST 4142 COS-PHYS 3(3,0) Asteroids, Comets, and Meteorites: PR: AST 2002 Asteroids, comets, and meteorites and their role in the origin and evolution of our solar system. Occasional.


AST 4700 COS-PHYS 3(3,0) Experimental Methods in Astronomy: PR: AST 2002, PHY 2048, and Senior standing, or C.I. Experimental design and experimental techniques in astronomy and astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; astronomical quantification and interpretation of light. Even Fall.

AST 4762C COS-PHYS 3(3,0) Astronomical Data Analysis: PR: MAC 2313, ability to write simple computer programs, and an upper level course in astronomy or planetary science, or C.I. Astronomical data and associated techniques, data acquisition, detector physics, measurement error, analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.

AST 5145 COS-PHYS 3(3,0) Advanced Asteroids, Comets, and Meteorites: PR: Graduate standing or C.I. An advanced level course in astronomy or planetary science, ability to write simple computer programs, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.

AST 5334 COS-PHYS 3(3,0) Extrasolar Planets and Brown Dwarfs: PR: Admission to the Physics and Astronomy Ph.D. or C.I. Substellar-mass objects, their formation, evolution, dynamics, detection, and environments. Odd Spring.

AST 5765C COS-PHYS 3(3,1) Advanced Astronomical Data Analysis: PR: MAC 2313, a 3000-level or higher course in astronomy or planetary science, ability to write simple computer programs, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.


ATR 3012C HPA-HP 3(1,2) Clinical Skills for Athletes Trainers I: PR: ZOO 3733C or ZOO 3738C, and Athletic Training majors only or C.I. Clinical skills including functional knowledge of lower extremity/trunk muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment of general medical conditions. Fall. M&S fee $31.00.

ATR 3013C HPA-HP 3(1,2) Clinical Skills for Athletes Trainers II: PR: ZOO 3733C or ZOO 3738C, and Athletic Training majors only or C.I. Clinical skills including functional knowledge of upper extremity muscle, tendon, ligament anatomy; advanced taping and bracing skills; and pharmacological interventions. Spring. M&S fee $31.00.

ATR 3102 HPA-HP 3(3,0) Principles of Athletic Training: PR: ZOO 3733C or ZOO 3738C, and Athletic Training majors only or C.I. Athletic training principles including injury recognition, emergency care, bloodborne pathogens, rehabilitation and prevention. Occasional.

ATR 3203C HPA-HP 3(2,1) Upper Extremity Function and Measurement: PR: ZOO 3733C or ZOO 3738C with “C” (2.0) or better and COHPA majors and Health Sciences Minors only. Upper extremity functional anatomy, manual muscle testing and goniometry. Fall, Spring.

ATR 3204C HPA-HP 3(1,0) Lower Extremity Function and Measurement: PR: ZOO 3733C or ZOO 3738C with “C” (2.0) or better and COHPA majors and Health Sciences Minors only. Lower extremity functional anatomy, manual muscle testing and goniometry. Fall, Spring.

ATR 3212C HPA-HP 3(2,2) Recognition and Evaluation of Athletic Injuries I: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Fall.

ATR 3312C HPA-HP 3(2,1) Injury, Management, and Rehabilitation: PR: ZOO 3733C or ZOO 3738C with “C” (2.0) or better and COHPA majors and Health Sciences Minors only. Upper extremity functional anatomy, manual muscle testing and goniometry. Fall, Spring.

ATR 3812L HPA-HP 4(0,16) Practicum in Athletic Training I: PR: ATR 3102. Clinical introduction to an athletic training site under direct supervision of a certified athletic trainer. Fall, Spring.

ATR 3822L HPA-HP 4(0,16) Practicum in Athletic Training II: PR: ATR 3812L. Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

ATR 4014C HPA-HP 3(2,2) Principles of Athletic Training Lab: CR: ATR 3102, 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 $34.00.


ATR 4112L HPA-HP 1(0,1) Acute Care in Athletic Training: CR: ATR 4842L and PR: ATR 4832L. This course will review and update student knowledge of and competency with acute care procedures and emergency planning in athletic settings. Spring.

ATR 4132 ED-ESHS 3(3,0) Human Injuries: Mechanisms & Prevention: PR: Admission to the Sport and Exercise Science Program or Coaching Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent, and minimum overall 2.5 GPA. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sport and fitness. Fall, Spring.

ATR 4213C HPA-HP 3(2,2) Recognition and Evaluation of Athletic Injuries II: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.


ATR 4315C HPA-HP 3(1,2) Advanced Rehabilitation in Athletic Training: PR: Athletic Training majors only. ATR 4313C or C.I. Advanced knowledge, skills, and techniques that the certified athletic trainer must perform during rehabilitation of injuries. Fall. M&S fee $17.00.

ATR 4512C HPA-HP 3(3,0) Organization and Administration of Athletic Training: CR: ATR 3822L. Administrative knowledge in the athletic training profession. Fall.

ATR 4832L HPA-HP 4(0,16) Practicum in Athletic Training III: PR: ATR 3822L. Advanced clinical internships with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

ATR 4842L HPA-HP 4(0,16) Practicum in Athletic Training IV: PR: PET 6672C. Advanced clinical internships with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

ATR 4933 HPA-HP 1(1,0) Athletic Training Seminar: PR: ATR 4832L and Senior standing. Capstone course reviewing competencies, proficiencies, ethics and professional development for the entry-level athletic trainer. Spring.

ATR 4940 HPA-HP 3(0-0,1-15) Athletic Training Elective Internship: PR: ATR 3822L. Students will develop their knowledge, skills, and attitudes by providing direct care of athletic injuries; understand the medical delivery system in a variety of settings; and understand the legal and ethical aspects of practicing athletic training. Occasional.

ATR 5106C HPA-HP 2(1,1) Prevention of Injury and Illness in Athletic Training Practice: PR: Admission to MAT degree program Physiological, psychological, and sociological aspects of health and wellness and the prevention of injury and illness; includes physical fitness, nutrition/hydration, flexibility and prophylactic taping/bracing. Occasional.
FUNCTIONAL HUMAN ANATOMY FOR ATHLETIC TRAINERS: PR: Admission to MAT degree program. Anatomical knowledge and clinical skills essential to the practice of athletic training; including knowledge of functional anatomy, manual muscle testing, goniometry, posture and gait analysis. Occasional.

BCH 4024 COM-BSBS
Medicinal Chemistry: PR: CHM 2210 and CHM 2211. Structure/function of proteins and nucleic acids fundamental to biomedical science, biochemical concepts important in medicine, enzymology and kinetics, bioenergetics and metabolic processes and disorders. Spring.

BCH 4053 COS-CHEM

BCH 4053H COS-CHEM

BCH 4054 COS-CHEM

BCH 4103L COS-CHEM
Biomedical Chemicals: 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 $70.00

BME 3211 ECS-MECHAERO
Engineering Biomechanics: PR: EGN 3310 and (EGN 3321 or EML 3217) and EGM 3601. Knowledge of engineering approaches and tools that are used in the different aspects of biomechanics. Odd Fall.

BME 5140 ECS-MECHAERO
Materials Science of Instrumentation for Clinical Applications: PR: General graduate standing in Engineering. Biomedical Science, Biotechnology, Chemistry or related disciplines or C.I. Study of engineering and materials concepts behind the clinical diagnostics currently used and under development, as well as technologies utilized in fabrication and characterization of these devices. Odd Fall.

BME 5216C ECS-MECHAERO
Mechanics of Biodeformable Structures I: PR: Graduate standing or C.I. Part II of a two semester course. Cell physiology and engineering principles applied to analysis of cellular processes and protein function on human anatomy and physiology. Fall.

BME 5217C ECS-MECHAERO

BME 5257 ECS-MECHAERO
Biomedical Nanotechnology: PR: EEL 3123C with a "C" (2.0) or better grade. Human Physiology, Biochemical Processes, Nanoelectronics for fabrication of biosensors for biomedical applications, self-assembly, bioelectronics, moral and ethical issues. Spring.

BOT 3018C COS-BIOL
Culinary Botany Across the Cultures: PR: BOT 3002, Junior standing, or C.I. Culinary food traditions and the interactions between plants, people and health. Examines the preparation methods that enhance the nutritional values. Occasional. M&S fee $10.00

BOT 3802 COS-BIOL
Ethnobotany: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Historical and modern uses of plants economically important in various cultures. Spring.

BOT 4223 COS-BIOL
Plant Anatomy: PR: BOT 3802, or C.I. A study of development, structure and function of the principal organs and tissue of vascular plants. Occasional.

BOT 4303C COS-BIOL
Plant Kingdom: PR: BOT 3802, or C.I. An survey of the plant kingdom utilizing comparative morphology, structure and functions to demonstrate relationships among extant and extinct forms. Occasional. M&S fee $42.00

BOT 4434C COM-BSBS
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. M&S fee $42.00

BOT 4503 COS-BIOL
Plant Physiology: PR: A "C" (2.0) or better in PCB 3023 or C.I. A survey of mechanisms used by plants to cope with the environment. Occasional.

BOT 4713C COS-BIOL
Plant Taxonomy: PR: BOT 3802, or C.I. Systematic classification and identification of vascular plants, with emphasis on the flora of peninsular Florida. Occasional. M&S fee $45.00

BOT 4850 COS-BIOL
Medicinal Botany: PR: PCB 3522 or a "C" (2.0) or better in PCB 3023, or C.I. The medicinal properties of plants and their role in both traditional and modern medicine; synthesis of herbal medicine and alternative medicinal practices around the world. Even Fall.

BSC 1005 COS-BIOL
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 1005L COS-BIOL
Biology Laboratory I: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring.

BSC 2010C COS-BIOL
Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring.

BSC 2010C COM-BSBS
Biology I: PR: High school biology or C.I. Open to non-majors only. S/U. May be repeated for credit. Fall, Spring.

BSC 2010C BIOI
Biology: PR: High school biology or C.I. Open only to non-majors. Fall, Spring.

BSC 2011C BIOI
Biology: PR: High school biology or C.I. Open only to non-majors. Spring.

BSC 2011C COS-BIOL
General Zoology: PR: BSC 2010C, or C.I. A laboratory course which presents modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level credit. Fall.

BSC 3012C COS-BIOL
Principles of Marine Biology: PR: A minimum grade of "C" (2.0) in both BSC 2010C and BSC 2011C. Professional Students with a foundation in the field of marine biology using a global perspective. Even Fall.

BSC 3402C COS-BIOL
Integrative Biology: PR: BSC 2010C and BSC 2011C each with a "C" (2.0) or better, and C.I. A field-based course gathering information on natural history of various organisms in Florida with special emphasis on scientific methods. Occasional.

BSC 3403C COM-BSBS
Honors Quantitative Biological Methods: PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods, techniques and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee $59.00

BSC 3424 COS-BIOL

BSC 3843L COS-BIOL
Strategies for Biology Academic Mentoring: PR: Junior or senior standing. Review research findings, theory, models and techniques of academic counseling and career advising. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

BSC 4312C COS-BIOL
Advanced Marine Biology: PR: BSC 3312 and a "C" (2.0) or better in PCB 3044. An advanced treatment of current issues in marine biology, emphasizing biodiversity and marine conservation through research-service-learning and field experiences. Even Spring. M&S fee $45.00

BSC 4330 COS-BIOL
Invasion Biology: PR: A "C" (2.0) or better in PCB 3044, or C.I. General principles of invasion ecology. The study of addition of species into ecosystems as it provides insights into basic ecological and evolutionary questions. Even Spring.

BSC 4422L COS-BIOL
Biological Laboratory Techniques: PR: CHM 2210 and a "C" (2.0) or better in PCB 3044, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of typical biology laboratories. Graded S/U. May be repeated for credit. Occasional.

BSC 4434 COM-BSBS
Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.

BSC 4439 COM-BSBS
Biomedical Informatics: Structure Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

BSC 4445C COS-BIOL
Genomics Lab: Methods in Data Collection and Analysis: PR: A grade of a "B" (3.0) or better in PCB 3063 and completion of EHS Lab Safety Training online course and practical by end of add/drop, or instructor consent. Hands-on approach to understanding how genomics datasets are generated in the lab, and how they are analyzed computationally using bioinformatics pipelines. Fall.

BSC 4821 COS-BIOL
Biogeography: PR: A "C" (2.0) or better in both PCB 3044 and PCB 4863, or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. Occasional.
BSC 4861L COS-BIOL 3(3,0) Urban Ecological Field Studies: PR: A "C" (2.0) in BIOL 3201C or C.I. A service-learning course utilizing an interdisciplinary approach to developing models and implementing programs designed to result in environmental sustainability. Even Fall.

BSC 4937 COS-BIOL 2(0,2) Instructional Experiences in Undergraduate Biology: PR: PCB 3003. Biology major with 50 semester hours and 3.0 gpa. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning with faculty in a variety of biology labs. Grad.S/U. May be repeated for credit. Fall, Spring.

BSC 5258L COS-BIOL 3(3,0) Tropical Biology Research and Conservation: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, PSM in Conservation Biology, or Certificate in Conservation Biology, or C.I. Research and conservation in New World tropics, including a field trip to Belize. Tropical biodiversity and forest ecology, integration of 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) Evolutionary Approaches in Biological Research: PR: admission to Biology Department graduate program or C.I. A multidisciplinary approach to understanding evolutionary relationships among organisms using phylogenetic information to address important questions in biology. Even Fall.

BSC 5418 COM-BSBS 3(3,0) Tissue Engineering: PR: Graduate standing. Introduction to Tissue Engineering with a special emphasis on the anatomy and structure of the field, on novel methods and on cell biomaterial interactions. Occasional.

BSC 5436 COM-BSBS 3(3,0) Biomedical Informatics : Structure Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Fall.

BSC 5618 BIOL 3(3,0) Phylemantic Approaches in Biometric Research: PR: Admission to Biology Department graduate program or C.I. A multidisciplinary approach to understanding evolutionary relationships among organisms using phylogenetic information to address important questions in biology. Even Fall.

BSC 5665 COM-BSBS 3(3,0) Clinical Embryology and Congenital Malformations: PR: ZOO 3735C or equivalent Functional human embryology in a clinically oriented way to study the human development and congenital malformations as a result of genetic, environmental and toxic conditions. Spring.

BSC 5824 BIOL 4(4,0) Biogeography: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, or C.I. Study of geographic variation in nature, ranging from past to present and from genes to ecosystems. Even Spring.

BTE 4410 ED-CFCS 3(3,0) Course Construction in Business Education: PR: ED 3365 or C.I. An overview and examination of business curriculum and methodology integrated into the workforce frameworks. Planning and preparation of materials, managing the laboratory and involvement in career & technical student organizations. Occasional.

BUL 3130 BA-ACCT 3(3,0) Legal and Ethical Environment of Business: PR: COP 4515 or C.I. Course in the Business community program prerequisites with a "C" (2.0) or better. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT 3(3,0) Honors: Legal and Ethical Environment of Business: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. Occasional.

BUL 4540 BA-MAN 3(3,0) Employment Law: PR: Management major or minor, MAF 3025 and MAF 3031. An overview of current employment law and issues/trends in the legal environment impacting human resource management system design, HRM policy and employee relations. Fall.

BUL 5332 BA-ACCT 3(3,0) Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in graduate Business. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.

CAP 3104 ECS-CS 3(3,0) Foundations of AI: PR: CGS 2545C or each with a grade of "C" (2.0) or better. Students will learn the foundational concepts of Human-Computer Interaction (HCI), including human-centered design principles, interaction modalities, design guidelines and heuristics, and interface evaluation techniques. Fall, Spring.

CAP 4053 ECS-CS 3(3,0) AI for Game Programming: PR: COP 3502C with a grade of "C" (2.0) or better or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with traditional approaches. Spring.

CAP 4102 ECS-EECS 3(3,0) Web and User Experience (UX): PR: COP 3502C with a grade of "C" (2.0) or better. To meet a real world customer's needs, student teams will learn and apply user-centered principles to elicit requirements, prototype, and build a complete web-based solution. Even Fall.

CAP 4145 ECS-CS 3(3,0) Introduction to Malware Analysis: PR: CIS 3360, (CGS 3369 or CDA 3310C), (CGS 3763 or COP 4660), or C.I. Introduction to using reverse engineering techniques to find and analyze the behavior of programs in binary form; assembly language, reverse engineering tools, and virtual machines. Spring.


CAP 4453 ECS-CS 3(3,0) Robot Vision: PR: COP 3503C and MAC 2312 each with a grade of "C" (2.0) or better. Perspective and orthographic projections; the processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. Spring.

CAP 4630 ECS-CS 3(3,0) Artificial Intelligence: PR: COP 3503C with a grade of "C" (2.0) or better and COP 3360. Current methods in AI: knowledge-based systems, representation, inference, planning, natural language. Programming in Lisp or Prolog required. Fall.

CAP 4720 ECS-CS 3(3,0) Computer Graphics: PR: COP 3503C and MAC 1114C each with a grade of "C" (2.0) or better, and COP 3360. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics API. Occasional.

CAP 5055 ECS-CS 3(3,0) AI for Game Programming: PR: CS Foundation Exam, ECL 4511C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 5100 ECS-CS 3(3,0) Human-Computer Interface Design: PR: COP 4331C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focuses on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software design process. Features a user-centered approach to Web-based application design. Fall.

CAP 5415 ECS-CS 3(3,0) Computer Vision: PR: COP 3503C, MAC 2312 and COP 3360. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene understanding, and computer vision analysis. Fall, Spring.

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 contains essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.


CAP 5636 ECS-CS 3(3,0) Advanced Artificial Intelligence: PR: COP 4650. AI theory of knowledge representation, "expert systems", memory organization, problem solving, learning, planning, vision, and natural language. Fall.

CAP 5725 ECS-CS 3(3,0) Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphics programs. Spring.

CAP 5736 ECS-EECS 3(3,0) Visualization Techniques for Data Analysis: PR: COP 3330, COP 3502C. Techniques for visualization that are useful for analyzing and presenting quantitative information are covered. Projects analyze one or more real-world publicly-available datasets. Understanding the data, visualizing it, creating hypotheses, and visually exploring them. Application of statistical techniques to test hypotheses about data trends and visualize how their hypotheses match with their analysis. Fall, Spring.

CAP 5937 ECS-EECS 3(3,0) Medical Image Computing: PR: MAC 2312 and (COP 4200 or COP 4410) and (MAS 3150 or MAS 3106) The course is designed to provide the students with the foundation necessary for understanding, visualizing, and quantifying medical images. This course covers the most important imaging modalities in radiology, radiography, x-ray computed tomography, nuclear medicine, ultrasound imaging, and magnetic resonance imaging. Occasional.

CCE 4003 ECS-CECE 3(3,0) Introduction to the Construction Industry: PR: EGN 3613, EGN 3311 all with a grade of "C" (2.0) or better. Project delivery systems, construction contracts; estimating and scheduling; ethics and labor issues. Fall, Spring.

CCE 4004 ECS-CECE 3(3,0) Construction Methods: PR: CES 4100C with a grade of "C" (2.0) or better. Construction methods for civil and structural systems, design of temporary structures, safety, and building codes. Spring.
Justice System Technology:
Sustainable Infrastructure Systems:
applicability to the operations and management of the technological developments to justice systems and their or C.I. Examination of the relevance of scientific and leadership.

CCJ 3461 HPA-CJ (3.0)
Organized Crime: PR: Sophomore standing and ENC 1102. An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.

CCJ 4644 HPA-CJ (3.0)

CCJ 4651 HPA-CJ (3.0)
Drugs and Crime: PR: Sophomore standing and ENC 1102. Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

CCJ 4670 HPA-CJ (3.0)
Women and Crime: PR: Sophomore standing and ENC 1102. The course covers women in criminal justice as offenders and prisoners, as well as crime victims and professionals working in the system. Occasional.

CCJ 4677 HPA-CJ (3.0)
Human Rights and Criminal Justice: PR: CCJ 3024 or C.I. An in-depth analysis of human rights movements and its potential impact upon criminal law, as well as the juvenile and criminal justice system. Occasional.

CCJ 4681 HPA-CJ (3.0)

CCJ 4690 HPA-CJ (3.0)
Sex Offenders and the Criminal Justice System: PR: Junior standing and CCJ 3024 and CCJ 3667 (Junior standing) or C.I. Study of the nature and causes of sex offending and protective services. Focus on the problems and issues associated with ritualistic crime investigations.

CCJ 4694 HPA-CJ (3.0)

CCJ 4701C HPA-CJ (3.0)
Research Methods in Criminal Justice: PR: CCJ 3024 and CCJ 3024, or C.I. Overview of the social science research methodologies used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. Fall, Spring.

CCJ 4746C HPA-CJ (4.0)
Data Analysis for Criminal Justice: PR: A grade of "C" or better in MAC 1105 or MGF 1106 or higher-level math class or AA Degree, and CCJ 4701, or C.I. Analytical methods useful for examining the types of data most often encountered in criminal justice research and develops the knowledge and understanding necessary to comprehend and interpret basic statistics in criminal justice research, literature and reports. Fall, Spring.

CCJ 4934 HPA-CJ 1-3(3.0)

CCJ 5015 HPA-CJ (3.0)
The Nature of Crime: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. This course provides an overview of major dimensions of crime in the U.S.; epidemiology of crime, costs of crime, and typologies of crime and criminals. Occasional.
CET 4749  ECS-ECS  3(3.0)
Wide Area Networks II: PR: 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-ECS  3(3.0)

CGS 3405  ECS-ECE  3(2.3)
Applied Numerical Methods for Civil Engineering: PR: MAC 2313 with a grade of "C" (2.0) or better; CR: MAP 2302. Application-driven numerical solution of civil engineering problems using linear algebra, interpolation, differentiation and integration, nonlinear systems, ODEs and IVPs, and linear programming. Fall, Spring.

CGS 3501C  ECS-ECE  3(2.3)
Civil Engineering Materials: PR: A grade of "C" (2.0) or better in EGN 3331C and CHS 1440 or CHM 2045C or CHM 2041. The characterization of materials used in civil engineering works to include concrete, bituminous polymers and composite materials. Fall, Spring. M&S fee $30.00.

CGS 3506C  ECS-ECE  3(3.0)
Advanced Pavement and Civil Engineering Materials: PR: CGS 3501C, CEG 4011C. Pavement and civil engineering materials such as aggregate, Portland cement, and concrete. In addition, M&S inc. modeling, analysis, and design of those materials will be included. Occasional.

CGN 3808C  ECS-ECE  3(2.2)
CECE Capstone Design: PR: "C" (2.0) or better in a previous CECE design course and department consent. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Fall, Spring.

CGN 5506  ECS-ECE  3(3.0)
Introduction to Computers: Digital literacy, computer hardware, peripheral components, memory devices, effects of computers on society, application of computers. Not open to Computer Science majors. Fall, Spring.

COS 2100C  ECS-ECS  3(2.1)
Computer Fundamentals for Business: Uses of computers and software in business, including business applications, commercial packages, and the Internet. Not open to Computer Science majors. Fall, Spring.

COS 2545C  ECS-ECS  3(2.1)
Database Concepts: PR: COP 2500C or high level programming course (C, Java, C#, C++) with a grade of "C" (2.0) or better. Entity-relationship model, relational database management systems, normal forms, performance or databases, report generation. Fall, Spring.

COS 2585C  ECS-ECS  3(2.1)
Desktop/Internet Publishing: PR: COP 2500C or high level programming course (C, Java, C#, C++) with a grade of "C" (2.0) or better. Principles and techniques of page layout and formatting for documents and newsletters, presentation techniques, construction of web pages and design of integrated websites. Occasional.

CGS 3175  ECS-ECS  3(3.0)
Internet Applications: PR: COP 2500C or high level programming course (C, Java, C#, C++) with a grade of "C" (2.0) or better. HTML coding, using images, sound and animation, advanced text formatting, forms and CGI scripts, introduction to Javascript. Fall, Spring.

CGS 3269  ECS-ECS  3(3.0)
Computer Architecture Concepts: PR: COP 2500C or high level programming course (C, Java, C#, C++) with a grade of "C" (2.0) or better. CPU organization and current computer architecture, network file servers. Fall, Spring.

CGS 3763  ECS-ECS  3(3.0)
Operating System Concepts: PR: COP 2500C or high level programming course (C, Java, C#, C++) with a grade of "C" (2.0) or better. System calls, concept of processes, CPU scheduling, security issues, client server paradigms, and computer supported workgroups. Occasional.

CGS 5131  ECS-ECS  3(3.0)

CHI 1120C  CAH-LANG  4(3,1)
Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall.

CHI 1125C CAH-LANG  4(3,1)
Elementary Chinese Language and Civilization II: PR: CHI 1120C or equivalent. Continuation of CHI 1120C. Spring.

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.

CHI 2201  CAH-LANG  3(3.0)
Intermediate Chinese II: PR: CHI 2200. Continuation of CHI 2200 with emphasis on Chinese culture. Fall.

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 1106C or MAC 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The "NC" grading policy applies to this course. Fall, Spring.

CHM 1032L COS-CHEM  1(0,3)
General Chemistry Laboratory: PR: or CR: CHM 1032. Preference will be given to students whose major requires this course. An introductory study of physical and chemical properties of elements and compounds. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $50.00.

CHM 2040  COS-CHEM  3(3.0)
Chemistry Fundamentals IA: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105C recommended. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry, atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Fall, Spring.

CHM 2041  COS-CHEM  3(3.0)
Chemistry Fundamentals IB: PR: CHM 2040 or its equivalent with a grade of "C" or better. Not open to students with credit in CHM 2045C. The secondsemester of CHM 2040. Atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Fall, Spring.

CHM 2045C  COS-CHEM  3(4.1)
Honors Chemistry Fundamentals I: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry, atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Fall, Spring. M&S fee $9.00.

CHM 2045C  COS-CHEM  3(4.1)
Honors Chemistry Fundamentals II: PR: Fall, Spring. M&S fee $9.00.

CHM 2046  COS-CHEM  3(3.0)
Chemistry Fundamentals II: PR: "C" (2.0) or better in CHM 2045C or CHM 2041C. Priority will be given to students whose major requires this course. Continuation of CHM 2045C or the CHM 2040C based on student sequence. Important: This course contains integral forces, solutions and colligative properties, equilibria, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. Fall, Spring.

CHM 2046C  COS-CHEM  3(3.3)
Honors Chemistry Fundamentals I: PR: "C" (2.0) or better in CHM 2045C or Department consent. Same as CHM 2046 and CHM 2046L with honors-level content. Spring. M&S fee $45.00.

CHM 2046L  COS-CHEM  3(3.0)
Chemistry Fundamentals Laboratory: PR: CHM 2046 or CHM 2040 or CR: ChM 2046. Priority will be given to students whose major requires this course. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $45.00.

CHM 2205  COS-CHEM  3(5.0)
Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemistry of functional groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. Spring.

CHM 2210  COS-CHEM  3(3.0)
Organic Chemistry I: PR: A "C" (2.0) or better in CHM 2046. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry; structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. Fall, Spring.

CHM 2211  COS-CHEM  3(3.0)
Organic Chemistry II: PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. Fall, Spring.

CHM 2211L  COS-CHEM  3(0.6)
Organic Laboratory Techniques I: PR: CHM 2046L and CHM 2210. Priority will be given to students whose major requires this course. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $70.00.
CHM 3120 COS-CHEM 3(3,0)
Analytical Chemistry: PR: CHM 2046, CHM 2046L. Classroom 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 3120 and PR or CR: CHM 3414. Experimental exercise of quantitative methods of analysis using titrimetric, gravimetric, potentiometric and photometric techniques and chromographic analysis including statistical treatment of experimental data. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $70.00.

CHM 3215L 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, Spring. M&S fee $70.00.

CHM 3410 COS-CHEM 4(3,1)
Physical Chemistry I: PR: CHM 2046, PHY 2049C, and MAC 2312. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. Fall.

CHM 3411I COS-CHEM 3(3,0)

CHM 3411L COS-CHEM 2(0,6)
Physical Chemistry Laboratory: PR: CHM 3120 and CR: CHM 3121. Classical as well as modern instrumental techniques used with computer data processing to measure physical properties and determine atomic and molecular parameters. Spring. M&S fee $70.00.

CHM 3422 COS-CHEM 3(3,0)

CHM 4130 COS-CHEM 3(3,0)
Advanced Analytical Laboratory Technique: PR: CHM 2211, CHM 3120 (with a minimum grade of "C" or 2.0) and CR:CHM 3411 or PR:CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring.

CHM 4130L COS-CHEM 2(0,6)
Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. 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 also be exercised. Spring. M&S fee $70.00.

CHM 4220 COS-CHEM 3(3,0)
Organic Chemistry III: PR: CHM 2211 or equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. Even Fall.

CHM 4427 COS-CHEM 3(3,0)

CHM 4610 COS-CHEM 3(3,0)

CHM 4610L COS-CHEM 2(0,6)
Inorganic Chemistry Laboratory: PR: CHM 4610. A study of chemical principles and chemical properties and synthetic techniques in inorganic Chemistry. Fall. M&S fee $70.00.

CHM 4930 COS-CHEM 1(1,0)
Chemistry Seminar I: CR: CHM 4912, or CR in consultation with an advisor. Student selects faculty committee. Prepares draft seminar on undergraduate research. Attends and reports on faculty seminars. Completes C/TI ethics course. Fall, Spring.

CHM 4931I COS-CHEM 1(1,0)
Chemistry Seminar II: PR: CHM 4930. Student builds upon the seminar prepared in CHM 4930 and presents it to the student’s faculty committee. Attends and reports on faculty level seminars. 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. 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. C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals and their role in biotechnology in the chemical industry. Occasional.

CHM 5450 COS-CHEM 3(3,0)
Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing. 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 $63.00.

CHM 5580 COS-CHEM 3(3,0)
Advanced Physical Chemistry: CR: CHM 3411 and MAC 2313, and graduate standing 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 and property relationships. Odd Fall.

CHS 1440 COS-CHEM 4(3,1)
Principles of Chemistry: PR: One year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving, including atomic and molecular structure, states of matter, stoichiometry, equilibria, electrochemistry and thermodynamics. The "NC" grading policy applies to this course. Fall, Spring.

CHS 3501 COS-CHEM 3(3,0)
Introduction to Forensic Science: PR: Preference will be given to students whose majors require this course. Intended for majors and non-majors to provide an overview of the specialty areas in the forensic crime lab. Fall.

CHS 3505C COS-CHEM 4(2,6)
Forensic Microscopy: PR: "C" grade or better in CHM 2046 L and CHM 3501; and PR or CR: PHY 2049C. The study of the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&S fee $65.00.

CHS 3511C COS-CHEM 4(2,6)
Trace Evidence: PR: "C" grade or better in CHS 3505C & CHM 2211. An advanced study of the techniques used to identify and compare trace evidence. Spring. M&S fee $45.00.

CHS 3530C COS-CHEM 4(3,3)
Forensic Analysis of Controlled Substances: PR: "C" grade or better in CHM 2211, PR: or CR: CHS 3505C, CHM 3210, or CR: Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall. M&S fee $68.00.

CHS 3533 COS-CHEM 2(0,2)
Forensic Biochemistry I: PR: "C" or better in PCB 3063. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.

CHS 3533L COS-CHEM 1(0,3)
Forensic Biochemistry I Laboratory: PR: "C" or better in PCB 3063. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall. M&S fee $70.00.

CHS 3595 COS-CHEM 3(3,0)
Forensic Science in the Courtroom: PR: or CR: CHS 3501 or C.I., and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 406C COS-CHEM 3(2,3)
Forensic Investigation Technology: PR: A grade of "C" or better in CHS 3533C or C.I. 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 CHS 3511C, or C.I. Procedures for the investigation of arson, explosives, and crime scenes. Occasional.

CHS 4534C COS-CHEM 3(1,6)

CHS 4537 COS-CHEM 2(2,0)
Forensic Laboratory Quality Assurance: PR: Grade of "C" or better in CHS 3501, STA 2023, CHM 3120 and CHM 3120L or C.I. Concepts and principles of quality assurance and quality systems management in forensic laboratories. Spring.

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 (one semester; 400 hours) for a professional forensic laboratory. May be repeated for credit Fall, Spring.

CHS 4615 COS-CHEM 3(3,0)
Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5502 COS-CHEM 3(3,0)
Principles of Forensic Science: PR: Admission to Forensic Science MS program or C.I. Principles of forensic science crime scene investigation, concepts in physical and biological evidence, evidence collection and presentation, discrimination and individualization of evidence. Even Spring.

CHS 5504 COS-CHEM 3(3,0)
Topics in Forensic Science: PR: Admission to Digital Forensics M.S. or Computer Forensics graduate certificate or C.I. History and current topics in Forensic Science. Fall.
CIS 5507 COS-CHEM 3(3,0) Chemometric Applications in Forensic Science: PR: CHS 3504 or C.I. Modern methods of evaluating the evidential value of forensic data from physical evidence, including fibers, glass, ignitable liquids and others. Odd Spring.

CIS 5518 COS-CHEM 3(3,0) The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic of Digital Evidence: PR: CIS 3360 with a grade of "C" (2.0) or better. Requirements, acquisition and sourcing. Integration of data management. Testing and QA. Organizational context. Architecture. Spring.

CIS 4615 ECS-CS 3(3,0) Secure Software Development and Assurance: PR: (COP 4600 or CGS 3763) and (CIS 3360 or CIS 3024) or C.I. Threat modeling and risk analysis. Development of secure software. Assurance techniques, analyzing and auditing software. Occasional.

CIS 4940C ECS-EECS 3(1,3) Topics in Cybersecurity: PR: CIS 3360 or C.I. A selected set of mandated investigations of selected problems, issues, and trends in cybersecurity, with emphasis on laboratory simulations of system penetration methods and network defense strategies. Spring.

CIS 4991 HCJ 3(0,0) IT Career and Academic Advising II: PR: CIS 3900 or and independent consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Fall, Spring.

CIS 5256 ECS-CS 3(3,0) Software Development Leadership: PR: COP 4331C and Computer Science major. The course teaches the concepts necessary to manage software projects successfully, with a focus on software quality, effective development practices, team dynamics, appropriate leadership style. Fall.

CJC 3010 HPA-CJ 3(3,0) Corrections and Penology: PR: CCJ 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. Fall, Spring.

CJC 3134 HPA-CJ 3(3,0) Prisons and jails: PR: CJC 3010. An overview and analysis of the correctional institutions and treatment programs in the community. Occasional.

CJC 3164 HPA-CJ 3(3,0) Community-Based Corrections: PR: CCJ 3024 and CJC 3010 or C.I. An overview and analysis of correctional institutions and treatment programs in the community. Occasional.

CJC 4410 HPA-CJ 3(3,0) Correctional Interventions in Criminal Justice: PR: Junior Standing and CJC 3010. Intervention techniques used with juvenile and adult offenders in institutional and community-based settings and study of the theoretical foundations. Occasional.

CJC 5020 HPA-CJ 3(3,0) Foundations of Corrections: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. Provides an overview of correctional process in U.S. including philosophical foundations and contemporary practices. Occasional.

CJE 3001 HPA-CJ 4(4,0) Careers in Criminal Justice: PR: Sophomore Standing and ENC 1102. Introductory course with focus on components of the Criminal Justice process (police, courts, and corrections) and employment opportunities within the criminal justice system. Fall, Spring.

CJE 3444 HPA-CJ 3(3,0) Crime Prevention: PR: Sophomore Standing and ENC 1102. An overview and analysis of crime prevention strategies used in the private and public sectors. Fall, Spring.

CJE 3662 HPA-CJ 3(3,0) CJ Information Technology and Data Management: PR: Sophomore Standing and CGS 1060 or C.I. Designed to familiarize with concepts of databases, uses, and applicability to crime analysis. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3011C</td>
<td>Communication and Human Relations: PR or CR:</td>
<td>3,1,2</td>
<td>PR: or CR: COM 3311 or COM 3033, or CI Seminaries; symbols and meaning and their relationship with human behavior. Fall, Spring.</td>
</tr>
<tr>
<td>COM 3013</td>
<td>Communication and the Family: PR: One of the</td>
<td>3,0</td>
<td>following: SPC 1608, SPC 1603C, COM 1000, or C.I. The ways of a family unit interact verbally and non-verbally to influence each other. Fall, Spring.</td>
</tr>
<tr>
<td>COM 3022</td>
<td>Health Communication: PR: SPC 1608, SPC 1603C,</td>
<td>3,0</td>
<td>COM 1000, or C.I. Theories and research about the role communication plays in health. Fall.</td>
</tr>
<tr>
<td>COM 3110</td>
<td>Business and Professional Communication: PR:</td>
<td>3,0</td>
<td>Human Communication, Ad-PR, or R-TV Majors or Human Communication Minors only; and one of the following: SPC 1608, SPC 1603C, or C.I. Theoretical and practical training in effective presentational speaking for business and professions. Fall, Spring.</td>
</tr>
<tr>
<td>COM 3120</td>
<td>Organizational Communication: PR: or CR:</td>
<td>3,0</td>
<td>COM 3311 or COM 3033, or C.I. A study of communication functions and problems within the contexts of hierarchies. Fall, Spring.</td>
</tr>
<tr>
<td>COM 3311</td>
<td>Communication Research Methods: PR: STA 414C</td>
<td>3,0</td>
<td>or I-H Major or I-H Minor, or Human Communication major or Human Communication minor, or C.I. Research methods used in communication. Understanding and interpretation of original research emphasized. Fall, Spring.</td>
</tr>
<tr>
<td>COM 3330</td>
<td>Computer Mediated Communication: PR: RTV major-</td>
<td>3,0</td>
<td>Communication &amp; Operations specialization or Mass Communication Minor, and CGS 1060 or STA 2014C or STA 2023, or C.I. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. Occasional.</td>
</tr>
<tr>
<td>COM 3332</td>
<td>Communication, Technology, and Change: PR: One</td>
<td>3,0</td>
<td>of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. Fall, Spring.</td>
</tr>
<tr>
<td>COM 3406</td>
<td>Role of Motivation in Communication: PR: or CR:</td>
<td>3,0</td>
<td>COM 3311 or COM 3033, or C.I. Motivation theories that directly affect the process of human communication. Occasional.</td>
</tr>
<tr>
<td>COM 3500</td>
<td>Conflict Communication Research Methods: PR:</td>
<td>3,0</td>
<td>Communication &amp; Conflict major and either SPC 1608, or SPC 1603, or COM 1000, or C.I. Survey of research methods used by conflict communication scholars; emphasis on approaches, methodologies, and analyses used to inform the process of human conflict communication. Fall, Spring.</td>
</tr>
<tr>
<td>COM 3801</td>
<td>Communication Theories of Interpersonal Conflict:</td>
<td>3,0</td>
<td>PR: or CR: Communication &amp; Conflict major and COM 3800, or CI. Examination of social dynamics, interpersonal behavior, and motivation in a variety of settings in order to analyze intergroup conflict, and violence reducing strategies and techniques. Fall, Spring.</td>
</tr>
<tr>
<td>COM 3802</td>
<td>Communication &amp; Conflict: PR: or CR: Communication &amp; Conflict major and COM 3800, or CI. Examination of major theories and concepts related to communication and conflict focusing on the influence of message content, relationships, and environments in multiple conflict scenarios. Fall, Spring.</td>
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<tr>
<td>COM 3912</td>
<td>Collaborative Experiential Research Practicum: PR:</td>
<td>3,0</td>
<td>Either SPC 1608, SPC 1603C or COM 1000 and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be taken in the degree program a maximum of 2 times. Occasional.</td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication: PR: Junior</td>
<td>3,0</td>
<td>Standing, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Fall, Spring.</td>
</tr>
<tr>
<td>COM 4416</td>
<td>Terrorism and Communication: PR: One of the</td>
<td>3,0</td>
<td>Following: SPC 1603C, SPC 1608, COM 1000 or C.I. How terrorism is a communication process. How mass media, symbols, linguistic devices, e-terrorism, and theoretical dimensions play a role in terrorism. How communities respond to terrorist attacks. Fall, Spring.</td>
</tr>
<tr>
<td>COM 4416H</td>
<td>Honor Terrorism and Communication: PR: One of</td>
<td>3,0</td>
<td>the following: SPC 1603C, or SPC 1608, or COM 1000 or C.I. and Consent of Honors. How terrorism is a communication process. How mass media, symbols, linguistic devices, and theoretical dimensions play a role in terrorism. How communities respond to terrorist attacks. Occasional.</td>
</tr>
<tr>
<td>COM 4461</td>
<td>Intercultural Communication: PR: Junior</td>
<td>3,0</td>
<td>Standing, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Study of variables affecting messages and participants in intercultural contexts. Fall, Spring.</td>
</tr>
<tr>
<td>COM 4462</td>
<td>Conflict Management: PR: or CR: COM 3311 or</td>
<td>3,0</td>
<td>COM 3003, or C.I. The study of communication in everyday conflicts. Fall, Spring.</td>
</tr>
<tr>
<td>COM 4803</td>
<td>Third Party Processes &amp; Intervention: PR: or CR:</td>
<td>3,0</td>
<td>COM 3800. Identify components and skills in multiple third party processes including mediation, arbitration, and facilitation; build conflict management and process design skills. Fall, Spring.</td>
</tr>
<tr>
<td>COM 4804</td>
<td>Conflict &amp; Communication Context: PR: or CR:</td>
<td>3,0</td>
<td>Communication &amp; Conflict major and COM 3800, or CI. Exploration of communication factors that contribute to the development of conflict across groups, cultures and societies. Fall, Spring.</td>
</tr>
<tr>
<td>COM 4805</td>
<td>Transformative Communication: PR: or CR:</td>
<td>3,0</td>
<td>COM 3800. Examines various western and non-western belief/systematic systems, and how conflict may be perceived, communicated, and interpreted using metaphysical approaches to conflict management. Fall.</td>
</tr>
<tr>
<td>COM 4806</td>
<td>Communication &amp; Conflict Case Studies: PR:</td>
<td>3,0</td>
<td>Communication &amp; conflict major and Senior Standing, or C.I. Application of communication and conflict theories to intercultural and community case studies, examining historical, political, and cultural elements of empowerment and peace-building. Spring.</td>
</tr>
<tr>
<td>COM 5312</td>
<td>Introduction of Communication Research: PR:</td>
<td>3,0</td>
<td>Junior standing or C.I. Provides the foundational knowledge and skills for conducting research in graduate Communication coursework including both quantitative and qualitative approaches. Fall, Spring.</td>
</tr>
<tr>
<td>COP 5302C</td>
<td>Honor Communication Studies: PR: Permission of</td>
<td>3,0</td>
<td>Honors and Honor's (COP 3232C or COP 3330) and MAC 1105C all with a grade of &quot;C&quot; (2.0) or better. Design and implementation of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/0. Fall, Spring.</td>
</tr>
<tr>
<td>COP 3842</td>
<td>Systems Software: PR: CDA 3103C and COP 3502C</td>
<td>3,0</td>
<td>each with a grade of &quot;C&quot; (2.0) or better. Design and implementation of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/0. Fall, Spring.</td>
</tr>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming: PR: COP 3225C or</td>
<td>3,0</td>
<td>EGN 3211 with a grade of &quot;C&quot; (2.0) or better. Design and implementation of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/0. Fall, Spring.</td>
</tr>
<tr>
<td>COP 4020</td>
<td>Programming Languages: PR: COP 3200C or COP 3302C</td>
<td>3,0</td>
<td>with a grade of &quot;C&quot; (2.0) or better. Design and implementation of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/0. Fall, Spring.</td>
</tr>
<tr>
<td>COP 4331C</td>
<td>Processes for Object-Oriented Software Development: PR: COP 3503C with a grade of &quot;C&quot; (2.0) or better. Design and implementation of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/0. Fall, Spring.</td>
<td>3,0</td>
<td></td>
</tr>
</tbody>
</table>
COP 4516C ECS-CS (3,1,3)
Problem Solving Techniques and Team Dynamics: COP 4516C with a grade of "C" (2.0) or better. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format. Occasional.

COP 4520 ECS-CS (3,0,3)
Concepts of Parallel and Distributed Programming: COP 4502 and COP 3503C each with a grade of "C" (2.0) or better and COP 3960. Parallel and distributed paradigms, architectures and algorithms, and the environment and languages needed to support these paradigms. Occasional.

COP 4600 ECS-CS (3,0,3)
Operating Systems: PR: COP 3503C and COP 3402 (CS majors) each with a grade of "C" (2.0) or better and COP 3960 (CS majors). Function and organization of operating systems, process management, virtual memory, I/O management, and file management. Fall, Spring.

COP 4710 ECS-CS (3,0,3)
Database Systems: PR: COP 3503C with a grade of "C" (2.0) or better. Storage and access Structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.

COP 4910 ECS-CS (3,0,3)
Frontiers in Information Technology: PR: CNT 4063 with a grade of "C" (2.0) or better. CR: CNT 4703C and COP 4910. Emerging trends leading to new information technologies that have a high likelihood of affecting the work place in the two to five year time frame. Fall, Spring.

COP 4934 ECS-CS (3,0,3)
Senior Design I: PR: COP 3402 and COP 3503C each with a grade of "C" (2.0) or better and consent of Department Chair. PR: COP 4531C. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. Fall, Spring.

COP 4935 ECS-CS (3,0,3)
Senior Design II: PR: COP 4934 and COP 3503C each with a grade of "C" (2.0) or better and consent of Department Chair. PR: COP 4531C. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. Fall, Spring.

COP 5021 ECS-CS (3,0,3)
Program Analysis: PR: COP 4020 and COP 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 ECS-CS (3,0,3)
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 (3,0,3)

COP 5621 ECS-CS (3,0,3)
Compiler Construction: PR: COP 4042 and COP 4210. Techniques in the design and implementation of compilers. Optimization, code generation, error recovery, attributed grammars. A project is required. Odd Fall.

COP 5711 ECS-CS (3,0,3)
Parallel and Distributed Database Systems: PR: COP 4710. Storage manager, implementation techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multiprocessor issues. Occasional.

COP 5837 ECS-ECS (3,0,3)
Advanced Web Programming: PR: COP 3100C How to build efficient interactive multuser web applications using modern web technologies such as Node.js. Occasional.

COT 3100C ECS-CS (3,1,3)
Introduction to Discrete Structures: PR: MAC 2311C with a grade of "C" (2.0) or better. Logic, sets, functions, relations, combinators, graphs, Boolean algebra, finite-state machines, Turing machines, unsolvability, computational complexity. Fall, Spring.

COT 3110H ECS-CS (3,0,3)
Honors Introduction to Discrete Structures: PR: Permission of MAC 2311C and MAC 1144C each with a grade of "C" (2.0) or better. Logic, sets, functions, relations, combinatorics, graphs, Boolean algebra, finite-state machines, Turing machines, unsolvability, computational complexity. Occasional.

COT 3960 ECS-CS (0,1,0)
CS Foundation Exam: PR: COP 3502C and COP 3100C each with a grade of "C" (2.0) or better. Foundation examination for computer science majors. Required before COP 4210.

COT 4210 ECS-CS (3,0,3)
Discrete Structures II: PR: COP 3503C and MAC 2312 each with a grade of "C" (2.0) or better and COP 3960. Computation theory. A study of the properties of grammars and automata as formal specifications for algorithms and families of languages. Fall, Spring.

COT 4400 ECS-CS (3,0,3)

COT 4500 ECS-CS (3,0,3)

COT 4810 ECS-CS (3,0,3)
Topics in Computer Science: PR: COP 3402 and COP 3503C each with a grade of "C" (2.0) or better 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 5405 ECS-CS (3,0,3)

COT 5537 ECS-ECS (3,0,3)
Advanced Cryptography: PR: COP 3100C. This course explains the inner workings of public-key systems and higher-level cryptographic protocols. It introduces senior undergraduate students and graduate students to (1) advanced cryptographic protocols such as multi-party computation and homomorphic encryption, (2) important real-life applications such as e-cash systems, and (3) advanced topics in algorithmic number theory such as lattices and elliptic curves. Occasional.

CPO 3034 COS-POLS (3,0,3)
Politics of Developing Areas: PR: INR 2002 or C.I. Comparative analysis of theories, problems and policies of development in Third World nations. Even Fall.

CPO 3057 COS-POLS (3,0,3)
Contemporary Revolution and Political Violence: COP 3503C. Comparative Politics: PR: ENC 1102 or POS 2041 or C.I. Theories and cases of revolutionary change and political violence in the contemporary world. Occasional.

CPO 3103 COS-POLS (3,0,3)
Comparative Politics: PR: ENC 1102 or POS 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. Spring.

CPO 3104 COS-POLS (3,0,3)
Politics of Western Europe: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1945 era. Odd Spring.

CPO 3132 COS-POLS (3,0,3)
Canadian Politics: PR: POS 2041 or C.I. Canadian politics including identity formation, political institutions, political culture, and U.S./Canada relations. Occasional.

CPO 3403 COS-POLS (3,0,3)
Politics of the Middle East: PR: ENC 1102 or POS 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Occasional.

CPO 3403H COS-POLS (3,0,3)
Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content Occasional.

CPO 3614 COS-POLS (3,0,3)
Politics of Eastern Europe: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. Occasional.

CPO 4062 COS-POLS (3,0,3)
Comparative Judicial Process: PR: ENC 1102 or POS 2041 or C.I. Study of courts and judges in national context. Focus upon judicial recruitment, decisional patterns, and policy outcomes. Occasional.

CPO 4074 COS-POLS (3,0,3)
Political Economy: PR: ENC 1102 or POS 2041 or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries. Even Fall.

CPO 4101 COS-POLS (3,0,3)
Politics of the European Union: PR: ENC 1102 or POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. Spring.

CPO 4123 COS-POLS (3,0,3)
Government and Politics of Great Britain: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dimensions. Honors level content. Even Fall.

CPO 4210 COS-POLS (3,0,3)
Comparative Latin American Politics: PR: ENC 1102 or POS 2041 or C.I. Comparative analysis of politics, society and culture in Latin America and selected countries of the region. Even Fall.

CPO 4445 COS-POLS (3,0,3)
Comparative Political Parties: PR: ENC 1102 or POS 2041 or C.I. Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.

CPO 4514 COS-POLS (3,0,3)
Politics of East Asia: PR: ENC 1102 or POS 2041 or C.I. Major trends in political, economic, and socio-cultural aspects in the East Asian region. Occasional.

CPO 4541 COS-POLS (3,0,3)
Chinese Politics: PR: ENC 1102 or POS 2041 or C.I. China’s political development since 1949. Occasional.

CPO 4553 COS-POLS (3,0,3)
Politics of Japan: PR: ENC 1102 or POS 2041 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. Occasional.
DIG 3355C CAH-SVAD 3(2,2)
Artificial Environments and Effects: PR: DIG 2109 and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, and concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. Fall, Spring.

DIG 3362C CAH-SVAD 3(2,2)
Artificial Characters: PR: DIG 2109 and C.I. CR: DIG 3951. Processes and techniques for design and manipulation of narrative elements to convey story, thought, or concept in a visual medium. Fall, Spring.

DIG 3433C CAH-SVAD 3(2,2)

DIG 3450 CAH-SVAD 3(0,0)
Interactive Performance I: PR: Admission by audition only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. Fall, Spring.

DIG 3450H CAH-SVAD 3(0,0)
Honors Interactive Performance I: PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors Office approval. Occasional.

DIG 3480 CAH-SVAD 3(3,3)
Computer as a Medium: PR: DIG 2500 and a minimum grade of "B" (3.0) in DIG 2000. Fundamentals of client-side scripting with an emphasis on web technologies. Design and implementation of interactive web sites using current scripting languages. Fall, Spring.

DIG 3525 CAH-SVAD 3(0,0)
Digital Media Production I: PR: DIG 2030, DIG 2109, DIG 2500, and a minimum grade of "B" (3.0) in DIG 2000. Media project planning, organization and execution; group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.

DIG 3543C CAH-SVAD 3(2,2)

DIG 3554 CAH-SVAD 3(0,0)

DIG 3563 CAH-SVAD 3(0,0)
Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. Fall, Spring.

DIG 3716C CAH-SVAD 3(2,2)
Internet Interaction: PR: Dig 3480. Front end planning and design of web pages. Design using markup languages and style sheets to produce visually pleasing and usable interactive interfaces. Fall, Spring.

DIG 3811 CAH-SVAD 3(0,0)
User-Centered Design: PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. Fall, Spring.

DIG 3951 CAH-SVAD 0(0,0)
Character Animation Portfolio Review: PR: C.I. CR: DIG 3134C and Artistic works in a student’s portfolio. Graded SU, Fall.

DIG 4104C CAH-SVAD 3(2,2)
Web Design Workshop: PR: DIG 3134C, DIG 3716C, DIG 3563, and DIG 3811. Students will practice designing and implementing professional-quality websites. May be repeated in the degree program a maximum of 2 times. Fall, Spring.
DIG 4725C CAH-SVAD
3(2,2)
Game Design Workshop: PR: DIG 4715C, FL 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 4780C CAH-SVAD
3(2,2)
Modelling for Realtime Systems: PR: DIG 4270C and a minimum grade of “B” (3.0) in DIG 4000. Principles of construction of 3D models for real-time applications. Topics include level of detail management and efficiency versus visual quality for video games and simulation. Fall, Spring.

DIG 4855 CAH-SVAD
3(3,0)
Converging Media Capstone: PR: GEO 3031 Cornerstone and 12 hours of restrictive electives within the Visual Arts and Emerging Media Management. Team based converging media projects leading to a capstone project that emphasizes creative thinking, prototyping, development, marketing and assessment paralleling the business world. Even Fall, Even Spring.

DIG 5045C CAH-FIEA
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-FIEA
3(1,3)
Principles of Interactive Entertainment II: PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5137 CAH-SVAD
3(3,0)
Information Architecture: PR: Film and digital media majors or C.I. Exploration of the process of formal design of interactive processes, examining the theories of usability and object oriented design. Fall.

DIG 5348C CAH-FIEA
3(1,3)
Digital Asset Creation: PR: Admission to FIEA MS in Interactive Entertainment program or C.I. Introduction to digital asset creation fundamentals, including figure drawing, digital painting, 3d modeling, animation, character setup, technical art and contemporary game engine topics. Fall.

DIG 5366C CAH-SVAD
3(1,2)
Animation and Visual Effects Production I: PR: DIG 5366C Animation and Visual Effects Production I or C.I. Topics in animation and visual effects project creation and production pipeline management in a team environment. Spring.

DIG 5378C CAH-SVAD
3(1,2)
Edition for Animation and Visual Effects: Theory and Production: PR: Emerging Media MFA - Animation and Visual Effects track student or C.I. Exploration of history and grammar of editing will be examined, adapted and applied to the specific needs of narrative animation and live-action visual effects. Spring.

DIG 5385C CAH-SVAD
3(1,2)

DIG 5386C CAH-SVAD
3(1,2)
Animation and Visual Effects Production I: PR: Emerging Media MFA - Animation and Visual Effects track student or C.I. Production of a short animated or visual effects concept to completion with the focus on working as an individual to meet deadlines. Fall.

DIG 5387C CAH-SVAD
3(1,2)
Visual Development and Design for Animation and Visual Effects: PR: Emerging Media MFA - Animation and Visual Effects track student or C.I. Design concepts are applied to animation environments to create a “personality of place”, visual continuity, and to create the visual universe of the story. Spring.

DIG 5439C CAH-SVAD
3(1,2)
Script and Story Development for Animation and Visual Effects: PR: Emerging Media MFA - Animation and Visual Effects track student or C.I. Students will write and storyboard original narrative short animation, or script and storyboard solutions addressing specific live action problems in visual effects. Fall.

DIG 5487 CAH-SVAD
3(3,0)
Principles of Visual Language: PR: Film and digital medial majors or C.I. Overview of Visual Language, including the nature of perceptions and cognitions of imagery. Fall.

DIG 5529C CAH-FIEA
3(1,3)
Productive 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-FIEA
3(1,3)
Rapid Prototype Production I: PR: Admission to Digital Media MS or C.I. Students engage in interdisciplinary teams to create rapid development projects. Fall.

DIG 5549 CAH-FIEA
3(3,0)
Experimentation, Application, and Innovation in Games: PR: DIG 5529C or C.I. Survey and development of games being used in non-traditional applications, such as medical simulation, education and research. Spring.

DIG 5557 CAH-FIEA
3(3,0)
Production and Design I: PR: Admission to FIEA MS in Interactive Entertainment program or C.I. Theory and methodology for creation and communication of videogame design. Fall.

DIG 5565C CAH-SVAD
3(1,3)

DIG 5567 CAH-FIEA
3(3,0)
Game Programming Fundamentals: PR: Admission to FIEA MS in Interactive Entertainment program or C.I. An introduction to real-time game programming fundamentals, including computer architecture and low-level programming and optimization. Specific attention to game consoles and cross-platform software development. Fall.

DIG 5580 CAH-SVAD
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, criticism and, cinema studies. Fall.

DIG 5586 CAH-FIEA
3(3,0)
Experimentation, Application and Innovation in Games: PR: DIG 5529C or C.I. Survey and development of games being used in non-traditional applications, such as medical simulation, education and research. Spring.

DIG 5585 CAH-SVAD
3(3,0)
The History of Animation and Visual Effects: PR: Emerging Media MFA - Animation and Visual Effects track student or C.I. History of animation and visual effects from beginning to present covering a wide-range of narrative, independent, commercial, and experimental projects produced throughout the world. Fall.

DIG 5876 GDST-INTERDIS
3(3,0)
Quantitative Aspects of Modeling and Simulation: PR: Graduate Standing or C.I. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. Spring.

DSC 4012 HPA-CJ
3(3,0)

EAB 3703 COS-PYCH
3(3,0)
Principles of Behavior Modification: PR: PSY 2102. 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. Fall.

EAB 3706 COS-PYCH
3(3,0)
Behavior Modification - Part II: PR: EAB 3703 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-PYCH
3(3,0)
Applied Behavior Analysis with Children: PR: Approval to the Global Achievement Academy (GAA). Development of academic skills for international students. Topics include academic reading and vocabulary development; listening and note-taking; and writing practice and oral communication. Fall, Spring.

EAP 1850 CAH-LANG
6(6,0)
English for Academic Purposes I: PR: Approval to the Global Achievement Academy (GAA). Development of academic skills for international students. Topics include academic reading and vocabulary development; listening and note-taking; and writing practice and oral communication. Fall, Spring.

EAS 3010 ECS-MECH/AERO
3(3,0)
Fundamentals of Aerospace Flight: PR: EGN 3321 and a “C” (2.0) or higher in all of the following prerequisites: MAC 2311, MAC 2312 and PHY 2047. CR: EGN 3343. Fundamental theories of inviscid, incompressible aerodynamics and flight mechanics, airfoil theory, external and internal flows, airplane performance. Fall.

EAS 3011 ECS-MECH/AERO
3(3,0)
Fundamentals of Aerodynamics: PR: “C” (2.0) or better in EML 3701. Viscous, incompressible fluid flow; flow over finite wings; aerodynamic design; introduction to computational fluid dynamics. Spring.

EAS 3530 ECS-MECH/AERO
3(3,0)

EAS 3800C ECS-MECH/AERO
3(2,3)
Aerospace Engineering Measurements: PR: “C” (2.0) or better in EGN 3343. Theory, calibration and use of instruments. Measurement techniques, data analysis, report writing. Laboratory topics related to aerospace engineering. Fall, Spring. M&S fee $15.00

EAS 3810C ECS-MECH/AERO
3(1,3)
Design of Aerospace Experiments: PR: EAS 3800C; and EAS 3010 or EML 3701. Extension of EAS 3800C. Design of experiments in aeronautical/aerospace systems with emphasis on project team activity. Spring. M&S fee $45.00

EAS 3933 ECS-MECH/AERO
3(0,0)
Aerospace Career and Academic Faculty Advising I: PR: MAP 2302. Mandatory meeting with students and their faculty advising for career/academic advising. Graduate only. Fall, Spring.
EAS 4105 ECS-MECH/AERO 3(3,0) Flight Mechanics: PR: EAS 3101; CR: EML 4225. Analysis and design of aircraft performance, static and dynamic stability and automatic control systems. Fall.

EAS 4134 ECS-MECH/AERO 3(3,0) High-speed Aerodynamics: PR: EAS 3101. Normal and oblique shock waves, nozzles and wind tunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Viscous boundary layers and applications to the design process. Fall.


EAS 4200 ECS-MECH/AERO 3(3,0) Analysis & Design of Aerospace Structures: PR: "C" (2.0) or better in EGM 3601. Aerospace structures and components, loads, bending, shear and torsion of thin-walled open and closed section beams, structural idealization, analysis of fuselage and wing sections, structural instability (buckling) of columns and monocoque cylinders. Fall.

EAS 4300 ECS-MECH/AERO 3(3,0) Aerothermodynamics of Propulsion Systems: PR: EAS 4134 or EML 4703. Fundamental analysis and design considerations of propulsion systems. Turbocjets, ramjets and rockets. Spring.

EAS 4400 ECS-MECH/AERO 3(3,0) Spacecraft Attitude Dynamics: PR: EML 4312C or EML 4225. Kinematics and dynamics of rigid and multibody spacecraft rotational motion. Attitude control with momentum exchange actuators and thrusters. Occasional.

EAS 4404C ECS-MECH/AERO 3(2,3) Discrete Control in Aerospace Vehicles: PR: EEL 4210 and EML 4501C or (EML 4225 and EML 4313). Discrete control aspects of aerospace vehicles, digital controller, design, state-space representation. 2-transform, system response. Spring. M&S fee $15.00

EAS 4505 ECS-MECH/AERO 3(3,0) Orbital Mechanics: PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2045. Two-body problem, orbital equations, orbital transfer, earth satellite operation. Spring.

EAS 4700C ECS-MECH/AERO 3(1,6) Aerospace Design I: PR: EGN 3373, EAS 3800C, (EAS 3010 or EML 3701), EML 4142, EML 4225, and department consent; CR: EAS 4991. Application of the design process to the team solution of a state-of-the-art problem. Airplanes and space vehicles, systems and devices are considered. Fall, Spring.

EAS 4703C ECS-MECH/AERO 3(2,4) Small Satellite Payloads and Integration: PR: EML 3303C or EES 3600C or EEL 3801C or EEL 4623. Evaluate overall impact of integration and design concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. Occasional. M&S fee $45.00

EAS 4710C ECS-MECH/AERO 3(1,6) Aerospace Design II: PR: EAS 4700C, EAS 4951. 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 $60.00

EAE 4931 ECS-MECH/AERO 0(0,0) Aerospace Career and Academic Faculty Advisor: PR: EAS 3533 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded SU. Fall, Spring.


EAS 5211 ECS-MECH/AERO 3(3,0) Aeroelasticity: PR: EAS 3101 or EML 3701 and EAS 4210 or EML 4220. Concerned with consequences and trade-offs created by interactions between aerodynamic forces and structural deformation. Static aeroelastic problems; control effectiveness; lift effectiveness; divergence. Dynamic aerelasticity; flutter and vibration. Occasional.


EAS 5535 ECS-MECH/AERO 3(3,0) Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4501C, EML 4502C or equivalent. Application of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.

ECM 4504C ECE-ECOE 4(3,3) Embedded Computer Systems: PR: EEL 4769C or EEL 4850C. EEL 4850C, Computer Applications in Systems role, sensor and actuator interfacing, Design projects, including problem statements and specifications, design methodology, implementation, testing, and documentation. Occasional.

ECO 2013 BA-BCON 3(3,0) Principles of Macroeconomics: An introduction to macroeconomics, including an overview of the market economy, national income, employment, and price level determination, stabilization policies, and international economics. Fall, Spring.

ECO 2013H BA-BCON 3(3,0) Honors Principles of Economics Macroeconomics: PR: Permission of Honors. Same as ECO 2013 with honors-level content. Fall, Spring.

ECO 2023 BA-BCON 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-BCON 3(3,0) Honors Principles of Microeconomics: PR: Permission of Honors. Same as ECO 2023 with honors-level content. Fall, Spring.

ECO 3703 BA-BCON 3(3,0) International Microeconomics: PR: ECO 3101. Fundamental principles of Classical and Neoclassical international trade theories, as well as trade's impact on global resource flows and the impact of trade on the developing world. Trade policy both in theory and practice is also examined. Fall.

ECO 4303 BA-BCON 3(3,0) History of Economic Thought: PR: ECO 3103 or ECO 2023. A study of the principal ideas of the major contributors to the development of economic thought. Occasional.

ECO 4400 BA-BCON 3(3,0) Game Theory and Economics: PR: ECO 3101. A study of the strategic decision-making of parties having opposed, mixed, or similar interests. Fall.

ECO 4412 BA-BCON 3(3,0) Econometrics I: PR: ECO 2013, ECO 2023 and ECO 3411. Students will study the linear regression model, first developing the theory and then applying it to data Fall.

ECO 4422 BA-BCON 3(3,0) Econometrics II: PR: ECONometrics I Building on the linear regression model, students will study generalized linear models, first developing the theory and then applying it to data. Spring.

ECO 4443 BA-BCON 3(3,0) Introduction to Business Analytics: PR: Mathematical Economics, Econometrics I and Econometrics II Students are introduced to important tools of business analytics; first, UNIX, SQLite, and Python; then analyzing data using R and implementing numerical methods using Python. Fall.

ECO 4504 BA-BCON 3(3,0) Public Economics: PR: ECO 3101. A study of fiscal institutions and decision-making, and how government budgetary policy (spending, taxing, borrowing, and debt management) affects the economy and its citizens. Spring.

ECO 4713 BA-BCON 3(3,0) International Macroeconomics: PR: ECO 3101 or ECO 3203 or ECO 3223. International macroeconomics with review and analysis of current international macroeconomics, financial issues, policies and events. Spring.

ECO 4751 BA-BCON 3(3,0) Law and Economics: PR: ECO 2013 and ECO 2023. Implications of law on economic behavior; how economic behavior changes with legal rules and penalties; and the economic logic underlying the law. Occasional.
Eco 4902 BA-ECON 1(1,0) Capstone in Economics: PR: ECO 3101, ECO 3305, ECO 4411, Senior Standing, Economics Major. Students use critical thinking and written communication to integrate and apply material learned in economics courses to economics problem and policies. Graded S/U. Fall, Spring.

Eco 4934 BA-ECON 3(3,0) Topics in Econometrics: PR: ECO 4412. Emphasizes on international topics in linear and nonlinear econometric models. Spring.

Eco 4941 BA-ECON 3(3,0) Economics Internship: PR: Consent of department chair, ECO 3101, and ECO 3303. Supervised economics-related work experience in a pre-approved sponsoring organization. See department for information/application. Graded S/U. Fall, Spring.

Eco 5445 BA-ECON 3(3,0) Introduction to Business Analytics: PR: Admission to the Master's in Economics or C.I. Students are introduced to important tools of business analytics; first, UNIX, SQLite, and Python; then analyzing data using R and implementing numerical methods using Python. Fall.

Ecp 3004 BA-ECON 3(3,0) Seminar on Curricular Economic Topics: PR: ECO 3101. Content may include, but is not limited to, the analysis of current economic issues and policy, and the study of current economic methods and theories. May be used in the degree program a maximum of 1 times. Occasional.

Ecp 3006 BA-ECON 3(3,0) Economics of Sports: PR: ECO 2023. Microeconomics is used to evaluate and analyze the business processes of sports including the supply and demand of sports leagues, revenue sharing and other forms of cooperation, labor markets and compensation for professional athletes, public financing of sports facilities, and sports in the non-profit sector. Fall.

Ecp 3203 BA-ECON 3(3,0) Labor Economics: PR: ECO 3101 or ECP 4703. The analysis of labor problems and issues in a dynamic contemporary economy through the interaction of the four major institutional subunits: households, firms, government, and unions. Fall, Spring.


Ecp 4303 BA-ECON 3(3,0) Environmental and Natural Resource Economics: PR: ECO 3101. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the microeconomic and macroeconomic level. Fall.

Ecp 4403 BA-ECON 3(3,0) Industrial Organization: PR: ECO 3101. 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. Fall.

Ecp 4530 BA-ECON 3(3,0) Health Economics: PR: ECO 3101. Analysis of the market for health and the derived market for health care using intermediate micro-economic modeling. Fall.

Ecp 4703 BA-ECON 3(3,0) Managerial Economics: PR: Admission to the Integrated Business Major. Applies economic theory, principles, and techniques to business decision making. Students improve critical thinking skills and learn analytical tools needed to address key business issues. Fall, Spring.


Ect 3062 ED-CFCF 3(3,0) Professional Roles of the Career & Technical Teacher: PR: ECT 3365 or C.I. Introduction into career and technical education teaching and the transition from industry to education. Occasional.


Ect 3367 ED-CFCF 3(3,0) Evaluation of Career & Technical Education Instruction: PR: ECT 3365 or C.I. Assessing student cognitive, affective, and psychomotor performance in the technical environment. Spring.

Ect 3371 ED-CFCF 3(3,0) Course Construction in Industrial Education: PR: ECT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education laboratory, and involvement in VICA. Occasional.

Ect 4004 ED-CFCF 3(3,0) Principles and Practices of Technical Education: PR: ECT 3365 or C.I. Integrating historical principles, career structure, and current trends in technical education. Fall.

Ect 4184 ED-CFCF 3(3,0) Curriculum and Instructional 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.

Ect 4384 ED-CFCF 3(3,0) Advised Teaching Techniques for Career Education: PR: ECT 3365 or C.I. Developing techniques including cooperative learning, simulation, instructional modeling, and evaluation of instructional effectiveness. Fall.

Ect 4815 ED-CFCF 3(3,0) Safety in the Technical Education Classroom and Laboratory: PR: ECT 3365 or C.I. Federal regulations, safety practices, guidance, and support materials for technical trainers and teachers in school and industrial settings. Occasional.

Ecw 3312 ED-CFCF 3(3,0) Course Construction in Health Occupations Education: PR: ECT 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.

Ecw 3564 ED-CFCF 3(3,0) Special Populations in Career & Technical Education: PR: ECT 3365 or C.I. Overview of strategies and resources in meeting the needs of special populations in career and technical education settings. Spring.

Ecw 5207 ED-CFCF 2-4(2-4,0) Management of Vocational Programs: PR: Rank III Certificate or C.I. Study and achievement of selected competencies needed by vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. Occasional.

Ecw 5265 ED-CFCF 2-4(2-4,0) Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

Ecw 5561 ED-CFCF 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.

Ede 2280 ED-TL&L 3(3,0) Arts and Wellness in Elementary Education: Provides the prospective teacher with knowledge, skills, and the dispositions to integrate arts and wellness into the elementary classroom curriculum. Fall, Spring.

Ede 3942 ED-TL&L 3(3,0) Internship I: PR: EDG 4410, RED 3012, RED 4519, MAE 3310, MAC 3411, MAE 3430, SWE 4902, SWE 4942, SWE 3310. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

Ede 4223 ED-TL&L 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&S fee $10.00.

Ede 4301 ED-TL&L 3(3,0) Seminar in Elementary Education: PR: EDE 3942 and Senior Standing. CR: EDE 4943. Refines skills and competencies in teaching and learning as identified by the Florida Educator Accomplished Practices and examines contemporary issues in elementary education. Fall, Spring.


Ede 4945 ED-TL&L 1(1,0) Internship II Seminar: PR: All required program courses; CR: EDE 4943. Internship II. Culuminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

Edf 2005 ED-TL&L 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.

Edf 2007 ED-TL&L 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.

Edf 2085 ED-TL&L 3(3,0) Introduction to Diversity for Educators: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.

Edf 2130 ED-TL&L 3(3,0) Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence through application to learners in educational settings. Fall, Spring.

Edf 2250 ED-TL&L 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.

Edf 2510 ED-TL&L 3(3,0) Education and Nation Building: American Historical Perspectives: An historical analysis of why education remains critical to nation building in the U.S. and elsewhere, including education’s impact on current policies and issues. Occasional.

Edf 2720 ED-TL&L 3(3,0) Children in Schools: Legal, Ethical and Safety Concerns: PR: EDF 2005, EDF 2085, EME 2040, or C.I. The role of education in children’s lives through the analysis of legal, ethical and safety concerns. Fall, Spring.
EDG 3120  ED-TL&L  3(3,0)
Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development, from pre-natal development through age eight. Fall, Odd Spring.

EDG 3601  ED-TL&L  3(3,0)
Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EDF 4466  ED-E&HS  3(3,0)
Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. Fall, Spring.

EDF 4467  ED-TL&L  3(3,0)

EDF 4467H  ED-TL&L  3(3,0)
Honors Learning Theory and Assessment: PR: EDF 205, EDF 2065, and EME 2040, or C.I. Application of learning theory and assessment principles to classroom teaching situations using a case study design, teacher work samples, and a theoretical conceptual debate. Fifteen hour in-school experience required. Even Fall.

EDF 4603  ED-TL&L  3(3,0)
Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 205, EDF 2085, or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 4603H  ED-TL&L  3(3,0)
Honors 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.

EDF 5607  ED-TL&L  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 2311  ED-TL&L  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 4410  ED-TL&L  3(3,0)
Teaching Strategies and Classroom Management: PR: EDF 205, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.

EDG 4941  ED-TL&L  3(3,0)
Directed Field Experience: PR: Approval of Professional Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948  ED-TL&L  3(3,0)
Service Learning: PR: PSY 2012 or C.I. Involvement with not-for-profit agencies and/or schools to gain a new perspective on community engagement. May be repeated for credit. Fall, Spring.

EDG 4954  ED-TL&L  3(3,0)
International Education Field Experiences: PR: Junior standing or C.I. A guided field experience for students participating in a study abroad program. Students gain insights into global and local issues through educational and cultural experiences. Fall, Spring.

EDG 5356  ED-TL&L  3(3,0)
Instructional Coaching: PR: Graduate standing or C.I. This course will prepare educators to become instructional coaches, developing skills and methods to impact student achievement by influencing teachers' instructional practices. Occasional.

EDG 5745  ED-TL&L  3(3,0)
Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. Occasional.

EDG 5941  ED-TL&L  2-3(0,11)
Clinical Practice: PR: Admission to Teacher Internship II or IV. Clinical Internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.

EDP 2270  ED-TL&L  3(3,0)
Adult Development & Learning: An examination of theory and research on adult learning and development with emphasis on practical written, instruction, and technology use in educational and workplace settings. Fall, Spring.

EDS 5356  ED-TL&L  3(2,1)
Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the standards of clinical supervision and assure attainment of the Florida Educator Accomplished Practices. Fall, Spring.

EEC 2732  ED-CFCS  3(3,0)
Health, Safety, and Nutrition for Young Children: Health, safety and legal issues in early childhood (0-8) including protection from injury and infection, promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.

EEC 3008  ED-CFCS  3(3,0)
Early Childhood Children's Literature: PR: Admission into the Early Childhood Development and Education Professional Program (Track 2). A study of literature written for children ages birth through kindergarten, including an introduction to genres, authors and illustrators of children's books. Spring.

EEC 3214  ED-CFCS  3(3,0)
Child Development: PR: Admission to the Early Childhood Education Program -Track 2. Provides pre-service early childhood professionals with an overview of theories and research related to early childhood development (Birth-Age 8). Fall, Spring.

EEC 3613  ED-CFCS  3(3,0)

EEC 3700  ED-CFCS  3(3,0)
Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implication for curriculum development. Occasional.

EEC 4207  ED-CFCS  3(3,0)

EEC 4211  ED-CFCS  3(3,0)
Science and Math Learning for Young Children: PR: Admission into Early Childhood Development and Education Program (Track 3). EEC 3303, and EEC 4528. Methodologies for teaching and assessing young children in mathematics and science concepts and skills through an integrated developmentally appropriate program. Fall.

EEC 4235C  ED-CFCS  3(2,1)
Early Childhood Education Seminar: Bridging Theory to Practice: PR: ETC 4240, EEC 4268, EEX 3400 and completion of semester II in the junior year. Corequisites: MAE 4300, RED 4311, ECE 4304. Seminar course which combines coursework, research, and practical experience. Fall, Spring.

EEC 4260  ED-CFCS  3(3,0)
Early Childhood Program Evaluation: PR: Admission to the Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4528. Formal and informal evaluation theories, methods and tools for implementing comprehensive evaluations of early childhood programs and policies and how they impact the program's stakeholders. Fall.

EEC 4268  ED-CFCS  3(3,0)
Curriculum Activities in Early Childhood: PR: Admission to Early Childhood Education Program. An integrated approach to curriculum planning and scheduling including materials, strategies, environments, and young children which emphasize active learning. Fall, Spring.

EEC 4303  ED-CFCS  3(3,0)
Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Development and Education Program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hands-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. Occasional.

EEC 4314  ED-CFCS  3(3,0)

EEC 4402  ED-CFCS  3(3,0)
Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

EEC 4414  ED-CFCS  3(3,0)
Child-Child Relations: PR: EEC 3700; EEC 4661; or C.I. Review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stages, family structure, and cultural factors on parenting. Fall, Spring.

EEC 4524  ED-CFCS  3(3,0)
Organisation and Management in Early Childhood: Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

EEC 4528  ED-CFCS  3(3,0)
Infant/Toddler Care and Education: Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.

EEC 4604  ED-CFCS  3(3,0)

EEC 4661  ED-CFCS  3(3,0)


EEE 4940 ED-CFCS 12(0,12) Practicum: Early Childhood Development: PR: Must have completed all course work. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and/or agencies. Graded S/U. Fall, Spring.

EEE 4942 ED-CFCS 9(0,9) Practicum: Early Childhood Careens: S/U. Admission into the Early Childhood Development and Education Program (Track 3), EEC 4414, EEC 4260, EEC 4314, and EEC 4211. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and/or agencies. Graded S/U. Spring.

EEE 4943 ED-CFCS 12(0,12) Student Training: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.

EEE 5205 ED-CFCS 3(3,0) Programs and Trends in Early Childhood Education: PR: MAC 2311C, MAC 2312, PHY 2048C, PHY 2049C. Content, facilities, instructional materials, and activities appropriate for children ages 3 to 8 years; current research; issues and trends. Concurrent laboratory experience. Occasional.

EEE 5745 ED-CFCS 3(3,0) Child Life: Psychosocial Care of Children in Health Settings: PR: EEC 3700 or C.I. Course teaches Child Life theory and practice to students wanting to work with children, youth, and their families in hospitals and pediatric health settings. Odd Spring.

EEE 3307C ECS-ECE 4(3,3) Electronics I: PR: EEL 3132C with a grade of "C" (2.0) or better. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring. M&S fee $10.00.

EEE 3342C ECS-ECE 3(3,2) Digital Systems: PR: MAC 2311C, MAC 2312, PHY 2048C, PHY 2049C all with a "C" (2.0) or better grade. Theoretical and sequential logic circuits including registers, arithmetic units, memories, finite state machines, and design with programmable logic devices. Fall, Spring. M&S fee $9.00.

EEE 3350 ECS-ECE 3(3,0) Semiconductor Devices I: PR: EEL 3004C with a grade of "C" (2.0) or better and PHY 3110, Semiconductor device physics, energy band diagrams, electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring.

EEE 4309C ECS-ECE 4(3,3) Electronics II: PR: EEE 3307C, EEE 3342C with a grade of "C" (2.0) or better. Ideal Op-Amps and application. Introduction to Logic Circuits; Digital, MOS and CMOS families; Flip-flops and memory cells, comparators and timing circuits; A/D and D/A converters. Fall, Spring. M&S fee $20.00.


EEE 4346C ECS-ECE 3(2,3) Hardware Security and Trusted Circuit Design: PR: EEL 3807C with a grade of "C" (2.0) or better. Design, analysis and synthesis of sequential logic circuits and systems. Data path and controller design using a hardware descriptive language. Case studies on hardware security. Spring.

EEE 4463 ECS-ECE 3(3,0) MEMS Devices and Applications: PR: EEE 3350 or C.I. Micro-Electro Mechanical Systems devices, microfabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumentation and applications. Fall.

EEE 5265 ECS-ECE 3(3,0) Biomedical Effects and Applications of Electromagnetic Energy: PR: EEL 3470 or C.I. RF and microwave energy and their interaction with biological materials, thermal therapy, hyperthermia, etc., will be discussed. Even Spring.

EEE 5272 ECS-ECE 3(3,0) Biomedical Sensors: PR: EEL 4750 or EEL 4832 or C.I. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.

EEE 5279 ECS-ECE 3(3,0) Advanced Bioelectronics Systems: PR: EEE 4309C or C.I. Advanced bioelectronics systems and techniques that are based on biophysical and biomedical research will be discussed. Spring.

EEE 5332C ECS-ECE 3(2,1) Thin Film Technology: PR: EEE 3350 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee $70.00.

EEE 5552C ECS-ECE 3(3,2) Semiconductor Device Material and Device Characterization: PR: EEE 3350 or C.I. Semiconductor material characterization resistivity, mobility, doping carrier lifetime, device properties, threshold voltage, interface charge of MOS devices, optical and surface characterization of films. Odd Fall.

EEE 5553 ECS-ECE 3(3,0) Semiconductor Device Modeling and Simulation: PR: EEE 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Package extraction, numerical algorithm, and SPICE simulation are included. Spring.

EEE 5556C ECS-ECE 4(3,4) Fabrication of Solid-State Devices: PR: EEE 3350. Fabrication of microelectronic devices, processing technology, silicidation and diffusion, device design and layout. Laboratory includes device processing technology. Fall, Spring. M&S fee $70.00.


EEE 5578 ECS-ECE 3(3,0) CMOS Analog and Digital Circuit Design: PR: EEE 4309C. Advanced principles and design techniques for CMOS ICs including recent published results. Fall.

EEE 5590C ECS-ECE 3(3,2) Full-Custom VLSI Design: PR: EEE 3307C and EEE 3342C with a "C" (2.0) or better grade. Provide background in integrated devices, circuits, and design subsystems needed for design and implementation of silicon logic chips. Occasional.

EEE 5551 ECS-ECE 3(3,0) Digital Signal Processing Applications: PR: EEL 4750. The design and practical consideration for implementing Digital Signal Processing Algorithms including Fast Fourier Transform techniques, and some useful applications. Spring.


EEE 5555 ECS-ECE 3(3,0) Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. Occasional.


EEE 3004C ECS-ECE 3(3,2) Honors Electrical Networks: PR: Permission of Honors and MAC 2311C, MAC 2312, MAC 2313, PHY 2048C, PHY 2049C all with a "C" (2.0) or better grade. CR: MAP 2302. Analysis and design of linear circuits, transients, AC analysis, power calculations. The course includes recitation and exploration of areas of study within electrical and computer engineering. Fall.

EEE 3005C ECS-ECE 3(3,2) Electrical Networks: PR: MAC 2311C, MAC 2312, MAC 2313, PHY 2048C, PHY 2049C all with a "C" (2.0) or better grade. Restricted to students from College of Engineering and Computer Science only. Axioms of probability, conditional probability, independence, law of total probability, random variables, probability distributions and density functions, second order statistics, joint distributions, random vectors, limit theorems, transformations of random variables. Spring.

EEE 3121 ECS-ECE 3(3,2) Digital Systems: PR: MAC 2311C, MAC 2312, PHY 2048C, PHY 2049C all with a "C" (2.0) or better. Limitations of linear systems, sampling theory and Z-transforms. Spring.

EEE 3123 ECS-ECE 3(3,2) Networks and Systems: PR: EEL 3004C and MAP 2302 both with grades of "C" (2.0) or better. Network functions, Laplace transforms, frequency domain analysis using Fourier series and transforms, sampling theorem and Z-transforms. Fall, Spring. M&S fee $15.00.

EEE 3290 ECS-ECE 3(3,0) Global Energy Issues: PR: EEL 3004C with a grade of "C" (2.0) or better. Critically examines issues associated with the technical, economic, societal, environmental, and geopolitical aspects of energy. Taught through lectures and discussions. Spring.

EEE 3470 ECS-ECE 3(3,0) Electromagnetic Fields: PR: EEL 3004C with a grade of "C" (2.0) or better. Electromagnetic fields and wave theory and electromagnetic waves. Fall, Spring.

EEE 3552C ECS-ECE 4(3,3) Signal Analysis and Analog Communication: PR: EEL 3123C with a grade of "C" (2.0) or better. Signals and signal space, Fourier series, Fourier Integral, transmission over linear systems, AM, FM, PM, sampling theorem and Nyquist rate. Fall, Spring. M&S fee $15.00.

EEE 3657 ECS-ECE 3(3,0) Linear Control Systems: PR: EEL 3123C with a grade of "C" (2.0) or better. Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.
EEL 3801C ECS-ECE 4(3,3)
Computer Organization: PR: EGN 3211 and EEE 3342C both with grades of "C" (2.0) or better. Computer arithmetic, instruction set architecture, performance, data path, control unit, memory hierarchy, I/O interface. Fall, Spring.

EEL 3926L ECS-ECE 1(0,3)
Junior Design: CR: EEE 3307C and EEL 4742C Preparatory. Fall. Developed by VAP Senior Design; Engineering design requirements specifications; test equipment utilization, microcontroller development tool usage; schematic capture and PCB design tools. Fall, Spring.

EEL 4140C ECS-ECE 4(3,3)
Analysis Filter Design: PR: EEL 3123C with a grade of "C" (2.0) or better. Passive and active analog filter design. Fall. M&S fee $15.00.

EEL 4205 ECS-ECE 3(0,3)
Electric Machinery: PR: EEL 3004C with a grade of "C" (2.0) or better. Fundamentals of DC and AC electric machines. Fall.

EEL 4216 ECS-ECE 3(0,3)
Fundamentals of Electric Power Systems: PR: EEL 3004C with a grade of "C" (2.0) or better. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. Fall.

EEL 4204 ECS-ECE 3(0,3)
Introduction to Smart Grid: PR: (EEE 3307C and EEL 3657) or EEL 4216 or C.I. Fundamentals of electric power systems, distributed generation and smart grid components, voltage control and VAR compensation, demand response, leader-follower optimization, resiliency. Even Spring.

EEL 4362 ECS-ECE 3(0,3)
Post-CMOS Devices and Circuits: PR: EEE 3342C with a grade of "C" (2.0) or better and EEE 33670C. Post-CMOS device technologies for next-generation energy efficient memory and logic designs. Fall.

EEL 4436C ECS-ECE 4(0,3)
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. Fall. M&S fee $35.00.

EEL 4440 ECS-ECE 3(0,3)
Optical Engineering: PR: EEL 3470 or C.I. Lens systems, aberrations, sources, radometry, detectors, physical-optical devices, applications to engineering design problems. Occasional.

EEL 4515C ECS-ECE 4(0,3)

EEL 4518 ECS-ECE 3(0,0)
Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. Fall.

EEL 4612C ECS-ECE 4(3,3)

EEL 4635C ECS-ECE 4(3,3)

EEL 4660 ECS-ECE 3(3,0)
Robotic Systems: PR: EEL 4000C or EEL 4742C or COP 3530C. Team based development of a robotic system incorporating vision sensors such as stereo, computer vision, machine learning, localization, mapping, manipulation and locomotion. Spring.

EEL 4742C ECS-ECE 3(3,2)
Embedded Systems: PR: EEL 3801C with a grade of "C" (2.0) or better. 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 $15.00.

EEL 4750 ECS-ECE 3(3,0)
Digital Signal Processing Fundamentals: PR: EEL 3812C with a grade of "C" (2.0) or better. Study of discrete-time signals and systems. DFT introduction to digital filter design. Fall, Spring.

EEL 4768 ECS-ECE 3(3,0)
Computer Architecture: PR: EEL 3801C or COP 3103C with a grade of "C" (2.0) or better. Computer systems performance evaluation, processor datapath and control, microprogrammed architectures, instruction set, and arithmetic pipelines, cache and virtual memory, and RISC vs. CISC. Fall, Spring.

EEL 4781 ECS-ECE 3(3,0)
Computer Communication Networks: PR: EEL 3810C with a grade of "C" (2.0) or better and STA 3002 Network models. Media access protocols. Data link control, Routing and flow control, Internet/working. Current architectures and protocols: OSI, ethernet, token, ring, FDDI, HSLC, X.25, etc. Fall, Spring.

EEL 4783 ECS-ECE 3(3,0)
Hardware Description Languages in Digital Systems Design: PR: EEL 3343C with a grade of "C" (2.0) or better. Hardware description languages, simulation and synthesis of RTL circuits and systems, design examples and projects. Occasional.

EEL 4798 ECS-ECS 3(3,0)
Massive Storage and Big Data: PR: EEL 3801C or COP 3103C Fundamentals in big data architecture and its enabling file storage systems Infrastructure such as MapReduce and storage, with a focus on system architecture, file storage, programming models, application development and performance evaluation. Spring.

EEL 4817H ECS-ECE 3(3,0)
Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4818H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECS-ECE 3(3,0)
Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 3801 with a grade of "C" (2.0) or better or COP 3222C with a grade of "C" (2.0) or better or STA 3032 or C.I. Machine Learning and Applications. ART Neural Networks, Genetic Algorithms, Decision Trees, Evolutionary Hardware, Evolutionary Neural Networks, and Reinforcement Learning. Occasional.

EEL 4832 ECS-ECE 3(3,0)
Engineering Applications of Computer Methods: PR: EEL 3123C and EGN 3211 both with a grade of "C" (2.0) or better. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization, and multidimensional root-finding, integration and series approximations. Fall, Spring.

EEL 4851C ECS-ECE 4(3,3)
Engineering Data Structures: PR: EEL 3001C with a grade of "C" (2.0) or better. Design of data structures and algorithms, with emphasis on performance analysis, memory management, stacks, queues, linked lists, trees, graphs, searches, and sorts. Introduction to object-oriented structures. Occasional.

EEL 4872 ECS-ECE 3(3,0)
Engineering Applications of Intelligent Systems: PR: EEL 4651C or COP 3530C or equivalent CR: E.E. Knowledge and intelligence, predicate logic and automated reasoning, heuristic search, knowledge representation, automated planning, introduction to machine learning, knowledge-based systems and philosophy of AI. Occasional.

EEL 4882 ECS-ECE 3(3,0)
Engineering Systems Software: PR: EEL 3801C. Introduction to operating systems concepts and facilities for engineering applications, including multiprogramming, resource allocation and management, systems utilities, and operating system implementation. Fall, Spring.

EEL 4884C ECS-ECE 4(3,3)
Engineering Software Design: PR: EEL 4851C. Software systems development life cycle, function and object-oriented methodologies, CASE, Analysis, design, and development of a large software project. Fall, Spring.

EEL 4890 ECS-ECE 3(3,0)

EEL 4914 ECS-ECE 3(3,0)
Senior Design I: PR: EEL 3801C, EEL 4742C, and consent of School of ECECS. Applications of engineering design to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall, Spring.

EEL 4915L ECS-ECE 3(0,3)
Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering project including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report. Fall, Spring. M&S fee $15.00.

EEL 4932 ECS-ECE 3(3,0)
Computer-Aided Design of VLSI: PR: Grade of "C" (2.0) or better in both COP 3530C and EEE 3343C. Introduction to computer-aided design techniques for high-level synthesis, logic synthesis, and physical synthesis. Emphasis on algorithms and data structures. Occasional.

EEL 5173 ECS-ECE 3(0,3)

EEL 5185 ECS-ECE 3(3,0)
System Identification: PR: EEL 3657 or C.I. Dynamic systems, models of time-invariant linear, time-varying and nonlinear systems, nonparametric frequency- and time-domain identification methods, kernel expansion techniques, parameter estimation methods, experiment design, and applications. Spring.

EEL 5245C ECS-ECE 3(2,1)
Power Electronics: PR: EEE 4390C. Principles of power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cyclo-converters, applications. Fall.

EEL 5255 ECS-ECE 3(3,0)
Advanced Power Systems Analysis: PR: EEL 4216 C.I. This is an advanced course in power systems engineering, designed to provide a student with the knowledge of steady-state analysis in power system operation. Even Spring.

EEL 5268 ECS-ECS 3(3,0)
Communications and Networking for Smart Grid: PR: EEL 4516C. Introduction to smart grid communication infrastructure, communication technologies in smart grid, communication networking in smart grid, communication vehicle-to-grid systems, secure communication and networking. Occasional.
EEL 5291 ECS-ECE 3(3,0) Distributed Control and Optimization for Smart Grid: PR: EEL 3657 and EEL 4216 or C.I. Electric power systems, transmission and distribution networks, voltage stability and VAR control, dispatch of distributed generation, optimization, frequency control, electricity markets and incentive controls. Odd Fall.

EEL 5435 ECS-ECE 3(3,0) Satellite Remotely Sensed Data: PR: EEL 3470 or EEL 4324. Fundamentals of satellite remote sensing, orbits and geometry, radiative transfer theory, microwave and infrared remote sensing techniques, ocean, ice and atmosphere geophysical measurements. Occasional.

EEL 5437C ECS-ECE 4(3,3) Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. Fall. M&S fee $40.00

EEL 5439C ECS-ECE 4(3,3) RF and Microwave Communications: PR: EEL 4436C or equivalent. RF and microwave active circuits, microstrip amplifier, oscillator, and mixer design and fabrication. RF circuit design, noise, familiarization with network and spectrum analyzers. Spring. M&S fee $40.00


EEL 5592 ECS-ECE 3(3,0) Field-Programmable Gate Array (FPGA) Design: PR: EEE 5434C and C.I. FPGA architecture, design, implementation, and application. Even Fall.

EEL 5712C ECS-ECE 3(3,3) Field-Programmable Gate Array (FPGA) Design: PR: EEE 5434C with a "C" (2.0) or better. Introduces concepts of FPGA architectures, design flow, technology mapping, placement, routing, reconfigurable computing applications, and evolvable hardware. Even Fall.


EEL 5780 ECS-ECE 3(3,0) Wireless Networks: PR: EEL 4781 or C.I. The wireless networking topics include: cellular networks, multiple access protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning, security, and layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA). Even Spring.

EEL 5796 ECS-ECE 3(3,0) Big Data Computer Architecture and Systems: PR: EEL 4756 or CGS 3763 or C.I. Computer hardware architecture and operating systems design, implementation and administrative techniques for big data computing platforms which run applications to analyze datasets of massive size and dimensionality. Even Fall. Odd Spring.

EEL 5820 ECS-ECE 3(3,0) Image Processing: PR: MAP 2302, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and encoding; segmentation and feature extraction; introduction to image understanding techniques. Odd Spring.

EEL 5825 ECS-ECE 3(3,0) Pattern Recognition: PR: EEL 4750 or C.I. Preliminaries of pattern recognition, Bayes' Decision Theory, linear discriminant functions, Neural Network approaches, decision tree classifiers, unsupervised learning and clustering, non-parametric techniques, and other topics reflecting the state-of-the-art. Occasional.

EEL 5860 ECS-ECE 3(3,0) Software Requirements Engineering: PR: Graduate standing or C.I. Excellent oral and written communication skills. Excellent problem solving skills. In-depth study of software requirements engineering within a process framework. Methods for requirements development, elicitation, analysis, description, and validation. Formal and informal specification. Occasional.

EEL 5874 ECS-ECE 3(3,0) Expert Systems and Knowledge Engineering: PR: EEL 4752 or C.I. Introduction to expert systems engineering. Expert systems tools and interviewing techniques. This course is hands-on and project oriented. Spring.

EEL 5881 ECS-ECE 3(3,0) Software Engineering I: PR: COP 4331 or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall. Spring.

EEL 5936 ECS-ECE 3(3,0) Current Topics in EEECS: PR: Open to all ECE graduate students. Lectures presented by ECE and national lecturers will provide our students a broad view of the state of the art EE and CE fields. Graded S/U. Occasional.

EEL 5937 ECS-ECE 3(3,0) Advanced Bioelectronics Systems: PR: EEE 4303C or C.I. Advanced bioelectronics systems and techniques through recent biophysical and biomedical research will be discussed. Occasional.

EEL 5937 ECS-ECE 3(3,0) Distributed Control and Optimization for Smart Grid: PR: EEL 3657 and EEL 4216 or C.I. Electric power systems, transmission and distribution networks, voltage stability and VAR control. dispatch of distributed generation, optimization, frequency control, electricity markets and incentive controls. Occasional.

EEL 5937 ECS-ECE 3(3,0) Communications and Networking for Smart Grid: PR: EEL 4515C. Introduction to smart grid communication infrastructure, communication technologies in smart grid, communication networking in smart grid, communication for vehicle-to-grid systems, secure communication and networking. Occasional.

EEE 4111E ECS-ECE 3(3,3) Chemical Process Control: PR: ENV 3001 with a grade of "C" (2.0) or better. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bio-energy products, wastewater treatment, and others. Spring. M&S fee $70.00

EEE 4202C ECS-ECE 4(3,3) Chemical Process Control: PR: CHM 2046 and ENV 3001 both with a grade of "C" (2.0) or better. Engineering design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. Fall. M&S fee $60.00

EEE 5318 ECS-ECE 3(3,0) Industrial Ecology: PR: ENV 3001, ENV 4341. Discussion of similarities between ecological systems in industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. Occasional.

EEX 1050 ED-CDFS 3(2,0) Intro to Special Education: Orientation to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. Fall. Spring.

EEX 2090 ED-CDFS 3(3,0) Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even.

EEX 2278 ED-CDFS 3(2,0) Enhancing Family Involvement in Education: Development of partnerships with families of students with disabilities and their communities to address the educational needs of all students. Fall, Spring.

EEX 3221 ED-CDFS 3(3,0) Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. Fall, Spring.

EEX 3241 ED-CDFS 3(3,0) Methods for Academic Skills for Exceptional Students: PR: Admission to the CED or Admission to the ESE Minor. Teaching strategies, instructional materials, and monitoring techniques for children and adolescents with special needs. Must be taken before internship I. Fall, Spring.


EEX 3450 ED-CDFS 3(3,0) Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. Spring.

EEX 3942 ED-CDFS 3(3,0) Internship I: Exceptional Education: PR: EDG 4410, RED 3012, EX 2010, EEX 3241, MAE 2801, Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EEX 4054 ED-CDFS 2(2,0) Application and Theories for Students with Special Needs: PR: EXE 2010. Theories and historical foundations for students with special needs, physical, cognitive, and emotional disabilities. Spring.
Course Descriptions

**EEX 4763**
Prepares knowledge for elementary classroom teachers to use in working with mild disabilities. Fall, Spring.

**EEX 4707**

**EEX 4204**
Instructional Strategies for Effective Inclusion: General, special education; PR: Overall minimum 2.5 GPA or C. A comprehensive background on Exceptional Education history, reform, and educational strategies to teach students with disabilities in inclusive settings. Spring.

**EEX 4242**

**EEX 4601**
Introduction to Behavior Management: Study of management of behavior; PR: EEX 3241, RED 3012, LAE 4314. Theoretical concepts, curriculum development and specialized strategies for students with special needs. Occasional.

**EEX 4751**
Parent Involvement in Education: PR: Junior Standing or C.I. General knowledge and best practice in the field of special education: the nature and needs of caregivers and care recipients, including special populations. Occasional.

**EEX 4763**
Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. Fall, Spring.

**EEX 5051**
Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, definitions, education laws, and appropriate educational programs for the exceptional children in schools. Fall.

**EEX 5702**
Planning Curriculum for Pre-Kindergarten Children with Disabilities: Focus on curriculum planning; developmentally appropriate practices and implementation of individualized instruction for pre-kindergarten children with disabilities. Spring.

**EEX 5750**
Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

**EGN 3370**
Principles of Electrical Engineering: PR: EEX 3241, RED 3012, LAE 4314. Theoretical concepts, curriculum development and specialized strategies for students with special needs. Fall, Spring.

**EGN 3371**
Student Involvement in Education: PR: Permission of Honors and PHY 2049C, CR: MAP 2302. Fundamentals of electrical circuits and analysis; fundamentals of electronics and AC power systems, transformers, electromechanics and rotating machines. Fall, Spring.

**EGN 3373E**

**EGN 3613**
Economics for Engineering Students: PR: MAC 2312, and MAC 2313 with a grade of “C” (2.0) or better. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolating, integration and plotting. Occasional.

**EGN 4060C**
Introduction to Robotics: PR: COP 3223C or EEX 3211; and EEL 3507C or EEL 4742C or COP 3503C or EEX 3211 or EML 3217. Theory and application of robotics topics including: architecture, path planning, sensing and manipulation. Fall.

**EGN 4641C**
Engineering Entrepreneurship: PR: Senior standing, ENE 4183, 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 4931H**
Honors Engineering Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.

**EGS 1006C**
Introduction to the Engineering Profession: PR: New students status or C.I. Overview of academic and professional requirements in various engineering disciplines. Fall.

**EGS 1036C**
Foundations of Leadership: PR: LEAD Scholars Program, Seminar for LEAD Scholars in the College of Engineering & Computer Science providing a foundation of leadership experience in an appropriate leadership setting. 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 4931H**
Honors Engineering Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.
EGS 3031 ECS-ECS 0(2.0)
Leadership in Engineering II: PR: Junior standing in a CESC major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. Spring.

EGS 4624 ECS-EIMS 3(3.0)
Engineering Innovation and Leadership: PR: Senior standing. A broad range of topics including corporate and community settings, individual and team leadership, and techniques to enhance innovation and creativity. Spring.

EGS 4710 ECS-ECS 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.

EGS 4950 ECS-ECS 3(3.0)
Engineering Leadership Capstone: PR: Enrolled in Engineering Leadership Minor or Certificate; CR: approved design course in Engineering or Computer Science; Students will reflect upon and define their professional approach. Students will develop their professional portfolio, concept of operations, and individual strategic plan. Fall, Spring.

EIN 2001 ECS-EIMS 1(1.0)
Introduction to Industrial Engineering and Management Systems: PR: M AC 2311C with a grade of a "C" (2.0) or better and sophomore standing. Introduction to the profession of Industrial Engineering and important skills necessary for success. Course includes presentations by local IE professionals. Fall.

EIN 3314 ECS-EIMS 3(3.0)
Work Analysis and Design: PR: STA 3032 with a grade of "C" (2.0) or better and C.I. Introduction to lean six sigma and an applied design and improvement of work systems in any organization. Various data collection and analysis methods utilized. Fall.

EIN 3351 ECS-EIMS 3(3.0)
Engineering Economic Analysis and Cost Engineering: PR: MAC 2311C with a grade of "C" (2.0) or better. Knowledge and understanding of economic evaluation of engineering and management alternatives, cost analysis, budgeting and estimating techniques. Spring.

EIN 3354 ECS-EIMS 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-EIMS 2(2.2)
Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (interpersonal to interorganizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-EIMS 2(2.2)
Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.

EIN 4214 ECS-EIMS 3(3.0)
Safety Engineering and Administration: Analysis of accidents in the industrial operating environment; prevention of fault trees, OSHA requirements; Consideration of accident costs and organizational aspects of accident prevention. Occasional.

EIN 4243C ECS-EEMS 3(3.0)
Human Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Introduction to human machine systems; design and conduct of human engineering studies. Spring.

EIN 4333 ECS-EIMS 3(3.0)
Production and Distribution Systems: PR: ESI 4312 with a grade of "C" (2.0) or better. Decision policies in manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. Spring.

EIN 4340 ECS-EIMS 4(4.0)
Facilities Planning and Work Design: PR: STA 3032 or grade of "C" (2.0) or better. Introduction to facilities planning and methods of facility planning. Fall.

EIN 4364 ECS-EIMS 3(3.0)
Facilities Planning: PR: EIN 3314 with a grade of "C" (2.0) or better; or CR: EIN 3351. Planning and design of production systems including interrelationships between process layouts, material handling, warehousing and site selection. Spring.

EIN 4391 ECS-EIMS 3(3.0)
Manufacturing Engineering: PR: Grade of "C" (2.0) or better or any of the following course options CHM 2045C or CHS 1440 or CHM 2046 and CHM 2041; and Junior Standing. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring.

EIN 4517 ECS-EIMS 3(3.0)
Systems Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Spring.

EIN 4545 ECS-EIMS 3(3.0)
Industrial Engineering Applications in The Service Industries: PR: ESI 4312 with a grade of "C" (2.0) or better. Application of engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Fall.

EIN 4891C ECS-EIMS 4(2.4)
Industrial Engineering Senior Design Project: PR: ESI 4523 and EIN 4360 (Facilities Planning and Work Design) both with grades of "C" (2.0) or better and department consent. Capstone design course; application of IEMS techniques to real-world design applications. Fall, Spring.

EIN 5018 ECS-EIMS 3(3.0)
The Environment of Technical Organizations: PR: Graduate status or C.I. EGS 4024 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-EIMS 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-EIMS 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-EIMS 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.

EIN 5251 ECS-EIMS 3(3.0)
Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and storyboard evaluation; techniques; query techniques; laboratory techniques; and field study approaches. Spring.

EIN 5255C ECS-EEMS 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.

EIN 5317 ECS-EIMS 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. Occasional.

EIN 5346 ECS-EIMS 3(3.0)
Engineering Logistics: PR: ESI 3300 or ESI 4312. Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5356 ECS-EIMS 3(3.0)
Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Occasional.

EIN 5392C ECS-EIMS 3(2.2)

EMA 3000 ECS-MSE 3(3.0)

EMA 3012C ECS-MSE 3(2.2)
Introduction to Industrial Technologies in Mechanics and Materials: PR: EGN 3365, EGM 3601. 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 3124 ECS-MSE 3(3.0)
Design and Selection of Materials: PR: EGM 3601, and EGN 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Spring.

EMA 3691 ECS-MSE 3(3.0)
Composite Materials: PR: EIN 3314 or EIN 4243C, and EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into frameworks for controlling the manufacturing enterprise. Occasional.

EMA 3706 ECS-ME/CH/EO 3(3.0)
Structure and Properties of Aerospace Materials: PR: (CHS 1440 or CHM 2045C) and MAC 3212 with grades of "C" (2.0) or better in both. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design Fall, Spring.

EMA 4102 ECS-MSE 3(3.0)
Thermodynamics and Kinetics of Materials: PR: EGN 3543, EGN 3505 or EMA 3706, and STA 3601 or better in all of the following: CHS 1440 or CHM 2045C, MAC 2311C, 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 4223 ECS-MSE 3(3.0)

EMA 4413 ECS-MEC/AERO 3(3.0)

EMA 4501C ECS-MSE 3(2.2)
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EMA 4503 ECS-MSE 3(3,0)

EMA 4506 ECS-MSE 3(3,0)

EMA 5060 ECS-MSE 3(3,0)

EMA 5104 ECS-MSE 3(3,0)

EMA 5106 ECS-MSE 3(3,0)

EMA 5108 ECS-MSE 3(3,0)
Surface Science: PR: PHY 2040C and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-violet, x-ray, vacuum spectrosocpy utilizing electron, ion and photon probes. Occasional.

EMA 5140 ECS-MSE 3(3,0)
Introduction to Ceramic Materials: PR: EGN 3365. Structure, surface, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.

EMA 5317 ECS-MSE 3(3,0)

EMA 5326 ECS-MSE 3(3,0)

EMA 5415 ECS-MSE 3(3,0)
Electronic Principles of Materials Properties: PR: EGN 3365 or EMA 3706 or C.I. The course covers the fundamental concepts of band structure and bonding of materials, electrical and thermal conduction in metals and semiconductors. Occasional.

EMA 5504 ECS-MSE 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 surface. Occasional.

EMA 5505 ECS-MSE 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 cryostructuraliy in the SEM. Occasional.

EMA 5584 ECS-MSE 3(3,0)

EMA 5585 ECS-MSE 3(3,0)
Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.

EMA 5586 ECS-MSE 3(3,0)
Photovoltaic Solar Energy Materials: PR: EGN 3365. Materials properties basic to photovoltaics, structure, homogeneity, heterogeneity, and surface barrier solar cells, AM char-1D modeling of c-Si, GaAs bulk and a-Si:H, OGIS, and CdTe thin film solar cells. May be repeated for credit. Occasional.

EMA 5588 ECS-MSE 3(3,0)
Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and biodegradability; cell-biomaterial interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanostructured biomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.

EMA 5610 ECS-MSE 3(3,0)
Lasers in Materials Science: PR: EGN 3343 or EMA 5106 or C.I. Laser beam optics, laser-material interactions; laser heating, melting, vaporization, plasma formation; laser surface treatment, welding, machining, laser material synthesis. Thin film deposition, crystal growth. Occasional.

EMA 5705 ECS-MSE 3(3,0)
High Temperature Materials: PR: EMA 5104 or C.I. The course covers the principles of strengthening alloys for high temperature service, alloy and process selection, alloy development and design principles for elevated temperature applications. Occasional.

EMA 5807 ECS-MSE 3(3,0)
Biomedical Sensor Fabrication Characterization and Applications: PR: General graduate standing in Engineering, Biomedical Science and Engineering, Chemistry or related disciplines. C.I. Study of engineering and materials concepts behind the biomedical sensors currently used and under development, as well as techniques utilized in fabrication and characterization of these devices. Occasional.

EME 2014 ED-E&HS 3(3,0)
Introduction to Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall, Spring.

EME 2041 ED-E&HS 3(3,0)
Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

EME 3412 ED-E&HS 3(3,0)
Applications of Technology in Education: Classroom applications of instructional media. Including computers. Includes experiences with equipment, commercial and teacher-made media, and their uses. Occasional.

EME 5050 ED-E&HS 3(3,0)
Fundamentals of Technology for Educators: PR: Post bac or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

EME 5811 ED-TL&L 1(1,0)
Teaching and Learning with Technology: Overview of technologies for teaching and for learning. Practical strategies for using technology in the classroom. May be used as a 1 credit or degree program a maximum of 4 times. Occasional.

EML 3034C ECS-MECH/AERO 3(3,1)
Modeling in Mechanical and Aerospace Engineering: PR: C.I. (2.0) or better in all of the following prerequisites: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048CR. CR: EGN 3321 and EAS 3933 or EML 3933. Computer aided modeling of mechanical and aerospace systems. Solution methods. Curve fitting. Numerical calculus and solution of differential equations with applications to mechanical and aerospace engineering. Fall, Spring.

EML 3101 ECS-MECH/AERO 3(3,0)
Thermodynamics of Mechanical Systems: PR: EGN 3343 and a C.I. (2.0) or better in all of the following: MAC 2311C, 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 design analysis of complete mechanical systems. Spring.

EML 3217 ECS-MECH/AERO 3(3,0)
Engineering Mechanics - Dynamics: PR: MAC 2313 with a grade of “C” (2.0) or better, EGN 3510; CR: MAP 2302. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum, introduction to kinematics of mechanisms; introduction to 3D rigid body dynamics; central force. Fall, Spring.

EML 3262 ECS-MECH/AERO 3(3,0)
Kinematics of Mechanisms: PR: EGN 3321 and a C.I. (2.0) or better in all of the following: MAC 2311C, 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-MECH/AERO 3(2,3)

EML 3500 ECS-MECH/AERO 3(3,0)
Design and Analysis of Machine Components: PR: C.I. (2.0) or better in EGN 3601. Application of the principles of mechanics of materials to the design of mechanical components. Fall, Spring.

EML 3701 ECS-MECH/AERO 3(3,0)
Fluid Mechanics I: PR: C.I. (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302, PHY 2048C. CR: EGN 3521 and EGN 3543. Principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall, Spring.

EML 3933 ECS-MECH/AERO 0(0,0)
Mechanical Career and Academic Faculty Advising I: PR: EGN 3601 and EML 3022C (Introduction to Computer Aided Engineering) with grades of “C” (2.0) or better in both. A project oriented computer aided engineering design practice including design, simulation, analysis, and manufacturing. Fall, Spring.

EML 4024C ECS-MECH/AERO 3(2,2)
Engineering Design Practice: PR: EGN 3601 and EML 3022C (Introduction to Computer Aided Engineering) in both EML 3701 and EML 3034C. Conduction, radiation, and convection heat transfer. Basic energy balances emphasized. Steady state and transient problems, analysis and design of simple heat exchangers. Fall, Spring.

EML 4143 ECS-MECH/AERO 3(3,0)
Heat Transfer II: PR: EML 4142. Advanced topics in heat transfer, multi-dimensional conduction, transient conduction, convection heat transfer, participating medium, boiling and condensation. Fall.
Fall, Spring.

Grade of "C" (2.0) or better required in ENC 1102 or C.I. Writing.


Advanced Composite Manufacturing: PR: EGN 3365 or EMA 3706. Selection of materials for PMCs, CMCs, C/C and MMCs; manufacturing processes processing science; processing-structure-property relationship; manufacturing defects; life cycle analysis (LCA). Occasional.

Smart and Adaptive Structures: PR: (EAS 4200 or EML 3500) and EML 4225 and (EGN 3365 or EMA 3704). C/I. Modeling and design of structures with integrated active materials: piezoelectric ceramics and polymers; shape memory alloys and polymer, magneto-/electro-thermoelectric fluids, magneto- / electro-statics. Multi-stable structures. Occasional.

CAH-WRITE 3(3,0)

Composition I: Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Fall, Spring.

CAH-WRITE 3(3,0)

Composition II: Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Honors-level content. Fall, Spring.

CAH-WRITE 3(3,0)

Honors Freshman Composition I: PR: Score of 60+ on TSWE of SAT or C.I. and permission of Honors. Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Fall, Spring.

CAH-WRITE 3(3,0)

Honors Freshman Composition II: PR: ENC 1101H with a grade of "C" or better. Focus on extensive research in analytical and argumentative writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and composition of research papers. The "NC" grading policy applies to this course. Fall, Spring.

CAH-WRITE 3(3,0)

Honors Senior Freshman Composition II: PR: ENC 1101H with a grade of "C" or better and permission of Honors. Same as ENC 1102, with honors-level content. Note on Freshman English Program: ENC 1101 and 1102 must be taken before enrolling in any English course numbered above 1102. The "NC" grading policy applies to this course. Fall, Spring.

CAH-WRITE 3(3,0)

Improving College-Level Writing: Entering college writing course designed to prepare students to read and write effectively at the college level. Fall.

CAH-WRITE 3(3,0)

Grammar and Composition: A systematic study of grammar and mechanics to improve editing for clarity and accuracy in writing. Occasional.

CAH-WRITE 3(3,0)

Writing for the Professional: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Writing effective correspondence, instructions, proposals, and informal and formal reports. Fall, Spring.

CAH-WRITE 3(3,0)

Honors Writing for the Technical Professional: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Writing with Honors content. Occasional.

CAH-WRITE 3(3,0)

Professional Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of and practice with professional writing as a rhetorical act involving problem solving and audience accommodation; includes research and text production practices as well as business genres and conventions. Fall, Spring.

CAH-WRITE 3(3,0)

Honors Professional Writing: PR: Consent of Honors. Study of and practice with professional writing as a rhetorical act involving problem solving and audience accommodation; includes research and text production practices as well as business genres and conventions. With Honors content. Occasional.

CAH-WRITE 3(3,0)

Magazine Writing I: PR: Grade of "C" (2.0) or better required in ENC 1102. Intensive practice in description, narration and argumentation; control of tone, mood, viewpoint, and level of diction. Applicable to article, essay, and report. Writing. Fall, Spring.

CAH-WRITE 3(3,0)

Writing and Rhetoric Foundations: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Writing practices and genres of argumentation, including research and text production practices as well as business genres and conventions. Fall, Spring.

CAH-WRITE 3(3,0)

Argumentative Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of and practice of research, writing, and rhetorical skills that enable successful (inter)disciplinary writing and across the university. Fall, Spring.

CAH-WRITE 3(3,0)

Writing and Rhetoric Traditions: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines the roots of rhetoric and the evolution of its theoretical, pedagogical and civic tradition. Even Spring.

CAH-WRITE 3(3,0)

Rhetoric and Civic Engagement: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. Fall, Spring.

CAH-WRITE 3(3,0)

Honors Rhetoric and Civic Engagement: PR: Consent of Honors. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. With Honors Content. Even Spring.

CAH-WRITE 3(3,0)

Writing for Publication: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines freelance markets, article genre, and the rhetorical skills needed to design and produce articles for specific audiences and publications. Occasional.

CAH-WRITE 3(3,0)

Honors Writing for Publication: PR: Grade of "C" (2.0) or better required in ENC 1102 and consent of Honors. Examines freelance markets, article genre, and the rhetorical skills needed to design and produce articles for specific audiences and publications, and editorial roles for publications. With Honors content. Occasional.
ENC 3521 CAH-WRITE 3(3,0) Writing Across Difference: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines cultural influences on language and literacy practices, with emphasis on applications for writing teachers. Occasional.

ENC 3905 CAH-ENG 3(3,0) Directed experience in Writing: PR: Grade of C (2.0) or better required in ENC 1102 and C.I. Individualized topics or areas of interest selected in consultation with a graduate faculty member. May be repeated for credit. Occasional.

ENC 4212 CAH-WRITE 3(3,0) Professional Editing: PR: Grade of "C" (2.0) or better required in ENC 1102. Students will perform different types and levels of editing on a range of print and online texts from business and non-profit contexts. Even Fall.

ENC 4215 CAH-ENG 3(3,0) Technical Publication and Project Management: PR: Grade of C (2.0) or better required in ENC 1102 or ENC 3421 or C.I. New publishing technology, stress management and related techniques; writing with automated text processing, methods of reproduction, introduction of graphics; style, format, layout, and board marking. Spring.

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. Particular attention to new forms of digital communication. Fall.

ENC 4219 CAH-ENG 3(3,0) Technical Communication and Plain Language: PR: Grade of "C" (2.0) or better in ENC 3211 or ENC 3421 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-WRITE 3(3,0) Writing for the Computer Industry: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Creating different kinds of software manuals or online help systems for the computer industry. Occasional.

ENC 4275 CAH-WRITE 3(3,0) Theory and Practice of Tutoring Writing: PR: Grade of C (2.0) or better required in ENC 1102 and C.I. Critical theories of tutoring and practice of assessing and responding to writing from the stand point of a tutor or a teacher. Fall.

ENC 4280 CAH-ENG 3(3,0) Technical Writing Style: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3421 or C.I. Strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. Spring.

ENC 4290 CAH-WRITE 3(3,0) Usability Testing for Technical Communication: PR: Grade of "C" (2.0) or better required in ENC 3421 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 3421. 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 ongoing projects from the student's particular field. Should be taken concurrently with ENC 4215. Fall, Spring.

ENC 4298 CAH-ENG 3(3,0) Technical Communication for the Virtual Workplace: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Collaborative technologies used in the modern workplace and the challenges associated with virtual collaboration. Students will participate in a virtual team project. Occasional.

ENC 4312 CAH-ENG 3(3,0) Theory & Practice of Persuasive Writing: PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical, emotional and ethical appeals. Occasional.

ENC 4313 CAH-ENG 3(3,0) Research Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. Occasional.

ENC 4353 CAH-WRITE 3(3,0) Writing for Social Change: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Study of how activist writing and other symbolic action can be used to mobilize social or policy change around contemporary controversial issues. Occasional.

ENC 4354 CAH-WRITE 3(3,0) Writing with Communities and Nonprofits: PR: Grade of C (2.0) or better required in ENC 1102. Study and practice of methods for writing in partnership with nonprofits and the communities they serve, with an emphasis on analysis and community engagement. Occasional.

ENC 4354H CAH-WRITE 3(3,0) Honors Writing with Communities and Nonprofits: PR: Grade of "C" (2.0) or better required in ENC 1102, and consent of Honors. Study and practice of methods for writing in partnership with nonprofits and the communities they serve, with an emphasis on analysis and community engagement. With Honors content. Occasional.

ENC 4360 CAH-ENG 3(3,0) Nature Writing: PR: English major or minor and Grade of "C" (2.0) or better required in CRW 3013 and CRW 3053, 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 4374 CAH-WRITE 3(3,0) Gendered Rhetorics: PR: Grade of "C" (2.0) or better required in ENC 1102. Historical and theoretical study of gendered rhetorical practices, with emphasis on women rhetors. Occasional.

ENC 4378 CAH-WRITE 3(3,0) Writing in Global and Transnational Contexts: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Examination of the ways language and rhetoric travel across cultures and countries, with practice strategies for transnational communication with local and global audiences. Occasional.

ENC 4379 CAH-WRITE 3(3,0) Writing and Rhetoric Capstone: PR: Senior standing, ENC 3331, ENC 3050, and ENC 3386; PR or CR: ENC 4494, ENC 3473, or ENC 4275. Cumulating course for students majoring in Writing and Rhetoric. Students reflect on disciplinary identity, possible career trajectories, and transferable strategies for writing in their lives. Spring.

ENC 4414 CAH-ENG 3(3,0) Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3421. Theories of electronic literacy and information to develop a more critical sensibility regarding hypertext. Occasional.

ENC 4415 CAH-ENG 3(3,0) Digital Rhetorics and The Modern Dialectic: PR: Grade of "C" (2.0) or better required in ENC 1102. Explores the development of digital rhetorics appearing in online environments through close reading and analysis of formative rhetorical texts, fiction, and internet materials. Fall, Spring.

ENC 4416 CAH-WRITE 3(3,0) Writing in Digital Environments: PR: Grade of "C" (2.0) or better required in ENC 1102. Study and practice of new media/internet writing and publishing, covering a range of online and multimedia genres. Occasional.

ENC 4416H CAH-WRITE 3(3,0) Honors Writing in Digital Environments: PR: Consent of Honors. Critical and rhetorical engagement with digital writing and networked systems, including a range of online media and genres. With Honors content. Occasional.

ENC 4434 CAH-WRITE 3(3,0) Visual and Material Rhetorics: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Study of visual and material textual elements within different historical and contemporary rhetorical practices and performances. Students will use a variety of compositional materials to produce texts. Occasional.

ENC 4504 CAH-WRITE 3(3,0) Contemporary Composition Theory: PR: Grade of "C" (2.0) or better required in ENC 1102. Considers major theoretical paradigms and more emergent theoretical explorations in modern and contemporary composition studies. Occasional.

ENC 4523 CAH-WRITE 3(3,0) Writing and Identity: PR: Grade of "C" (2.0) or better required in ENC 1102. Explores the role of identity in writing, particularly regarding gender, race, class, sexual identity and other difference issues. Occasional.

ENC 4944 CAH-WRITE 3(3,0) Writing Internship: PR: Junior standing and ENC 3331 and ENC 3836 and declared Writing and Rhetoric Major. Training and practice in professional and/or organizational writing through approved internship with business or organization; involves reporting and reflecting on experience Fall.

ENC 4950 CAH-WRITE 0(0,0) Writing ePortfolio: PR: "C" or better in ENC 1102. Student must have completed at least 33 hours toward the B.A. in Writing & Rhetoric, 9 hours toward the Minor in Writing & Rhetoric, or at least 6 hours toward the Certificate in Public and Professional Writing. In their graduation term, Writing & Rhetoric majors, or, for Public & Professional Writing Certificate students revise and submit their writing e-portfolio for departmental approval. Occasional.

ENC 5225 CAH-ENG 3(3,0) Theory and Practice of Document Usability: PR: Senior status or senior standing or C.I. Presents theory and practice of how document usability is assessed and improved. Occasional.

ENC 5237 CAH-WRITE 3(3,0) Writing for the Business Professional: PR: Graduate status or senior standing or C.I. A study of the major document designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

ENC 5276 CAH-WRITE 3(3,0) Theory and Practice of Tutoring Writing: PR: Admission to the M.A. in Rhetoric and Composition program, graduate standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). Fall.

ENC 5337 CAH-ENG 3(3,0) Rhetorical Theory: PR: Graduate standing or C.I. Examines the theory and history of classical and modern rhetorical theory and rhetorical instruction. Fall.

ENC 5705 CAH-WRITE 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 5938 CAH-WRITE 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 professions, 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: Grade of C (2.0) or better required in ENC 1102 or C. Techniques of analysis, theories of interpretation, and drama 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 3612 CAH-ENG 3(3,0)  
Trends in Literary, Cultural, and Textual Studies: PR: Grade of C (2.0) or better in ENC 1102. Literary analysis of textual production within contemporary social trends and new technologies. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ENG 3817 CAH-ENG 3(3,0)  
Digital Archives: PR: Grade of C (2.0) or better in ENC 1102 or C. Examines "debates" in the digital humanities and prepares students to work with the creation, management, and preservation of digital archives content. Occasional.

ENG 3821 CAH-ENG 3(3,0)  
What Was the Text in the English Majors? PR: Grade of C (2.0) or better required in ENC 1102 and English major or minor, or C. Professional development strategies and career options for English majors after graduation. Occasional.

ENG 3833 CAH-WRITE 3(3,0)  
Marketing Your Writing: PR: "C" (2.0) or better in ENC 3351. Exploration of writing markets and publishing opportunities therein, the submission process, and author marketing and negotiation strategies. Spring.

ENG 3836 CAH-WRITE 3(3,0)  
Professional Lives and Literacy Practices: PR: "C" (2.0) or better in ENC 1102. Study of technology-assisted professional writing and literacy practices around knowledge management work in organizations and communities. Fall,Spring.

ENG 4114 CAH-ENG 3(3,0)  
Literature and Film: PR: Grade of C (2.0) or better required in ENG 3014, or C. American popular culture texts in world context, using concepts and theories from global cultural studies to analyze transmission, translation, and appropriation. Occasional.

ENG 4614 CAH-ENG 3(3,0)  
Discourse of Global Cultural Studies: PR: Grade of "C" (2.0) or better required in ENG 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.

ENG 4722 CAH-ENG 3(3,0)  
Renaissance Women in Literature: PR: Grade of "C" (2.0) or better in ENC 1102 or C. Gender and women in the Renaissance. Occasional.

ENL 3221 CAH-ENG 3(3,0)  
Restoration Literature: PR: Grade of "C" (2.0) 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 3276 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 3296H CAH-ENG 3(3,0)  

ENL 3378 CAH-ENG 3(3,0)  
Harry Potter Studies: PR: Grade of "C" (2.0) or better in ENC 1102 or C. Examinations J. K. Rowling's Harry Potter series of books and other adaptations. Occasional.

ENL 3451 CAH-ENG 3(3,0)  
Topics in British Literature: PR: Grade of C (2.0) or better required in ENC 1102 or C. Linguistic, literary, and cultural elements of British writing through various time periods and genres. Occasional.

ENL 3654 CAH-ENG 3(3,0)  
Black British Literature: PR: Grade of "C" or better required in ENC 1102. Study of literary written within the UK by authors of African, South Asian, and Caribbean lineage. 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 4230 CAH-ENG 3(3,0)  
Eighteenth-Century Studies: PR: Grade of "C" (2.0) or better required in ENG 3014. A study of English literature from 1660 to 1800 and its cultural contexts. 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: PR: Grade of "C" (2.0) or better required in ENG 3014. C. Key issues and authors of the Victorian age (1837-1901) covering, fiction, poetry, and nonfiction prose. Occasional.

ENL 4262 CAH-ENG 3(3,0)  
Nineteenth-Century British Prose: PR: Grade of C (2.0) or better required in ENG 3014. Essays and fiction of the nineteenth century. Occasional.

ENL 4273 CAH-ENG 3(3,0)  
Modern British Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern British literature. Occasional.

ENL 4303 CAH-ENG 3(3,0)  
British Authors: PR: Grade of "C" (2.0) or better required in 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 4323 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. 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.

ENT 3613 BA-MAN 3(3,0)  
Creativity and Entrepreneurship: PR: Sophomore Standing. This course portrays entrepreneurship as a creative problem solving process emphasizing opportunity recognition, resourcefulness, and leadership that results in startup, social, government and corporate ventures. Fall, Spring.

ENT 4013 BA-MAN 3(3,0)  
New Venture Design: PR: Junior standing. Applied course which focuses on the creation, evaluation, development and launch readiness of a new business or social venture. Fall, Spring.

ENT 4014 BA-MAN 3(3,0)  
New Venture Implementation: PR: ENT 4013. Develops procedure by which start-up businesses can implement a well-researched business model by planning standard business functions necessary to launch the venture. Fall, Spring.

ENT 4183 BA-MAN 3(3,0)  

ENT 4412 BA-FIN 3(3,0)  
Managing Small Business Finances: PR: Admission to the Integrated Business major. Emphasizes the relationships between the finance function and other company activities. Focuses on financial statements, cash flow, sources of financing, valuation, inventory and vendor management. Fall, Spring.

ENT 4503 BA-MAN 3(3,0)  
Social Entrepreneurship: PR: Junior standing. Emphasis on understanding how social entrepreneurs effect change in poor communities in the developing world. Fall, Spring.

ENT 4942 BA-MAN 3(0,3)  
Entrepreneurial Internship: PR: Junior standing, approval of Management Department. Supervised, entrepreneurial-related work experience in a sponsoring organization. See Management Department for information. Application required. Fall, Spring.

ENT 5016 BA-MAN 3(3,0)  
New Venture Design: PR: Graduate standing or C. Applies contemporary methodologies to guide the creation, validation, and ongoing development of new business models for startup businesses and other new ventures. Fall.

ENT 5185 BA-MAN 3(3,0)  
Technological Entrepreneurship: PR: Graduate standing Examines how technology and innovation processes affect social and organizational change, and the distinct challenges associated with launching, managing and growing technology-based business ventures. Spring.

ENT 5206 BA-MAN 3(3,0)  

ENT 5946 BA-MAN 3(3,0)  
Small Business Consulting: PR: Graduate standing This is a highly experiential course where students are assigned to teams that complete consulting projects for local small businesses. Fall.

ENV 3001 ECS-CECE 3(3,0)  
Environmental Engineering: PR: A grade of "C" (2.0) or better in MAC 2312 and in CHM 2045C or CHM 1440 or CHM 2041. Introduction to concepts and terminology of environmental engineering. Stresses material and energy balances. Covers air, water and land pollution. Fall, Spring.

UNIVERSITY OF CENTRAL FLORIDA
Sustainability to aid in environmental engineering decision-making, and application of environmental and water resources systems with the principles of environmental engineering, including system design, with a grade of "C" (2.0) or better. Project course on design of environmental pollution control equipment and systems. Spring.

ENV 4300C ECS-CEECE 3(2,2)
Solid Waste Facility Design: ENVR 4341 with a grade of "C" (2.0) or better and department consent. Project course on design of a municipal solid waste landfill. Occasional.

ENV 4341 ECS-CEECE 3(3,0)
Sustainable Resource Management: PR: ENV 3001 with a grade of "C" (2.0) or better. Principles of industrial ecology, life cycle analysis, regulation of solid wastes, and sustainable engineering design. Solid waste management facilities, post-energy-water nexus, carbon and water footprints. Fall.

ENV 4433C ECS-CEECE 3(2,2)
Environmental Engineering Wastewater Design: PR: EES 4111C, ENV 4531 both with grades of "C" (2.0) or better and department consent. Project course in advanced municipal and industrial wastewater treatment design with emphasis on teamwork to complete the design process. Occasional.

ENV 4531 ECS-CEECE 3(3,0)
Environmental Engineering Unit Operations & Processes: PR: ENV 3001, CWR 3201 both with a minimum grade of "C" (2.0) or better. Water and wastewater treatment design considerations with efficient and sludge handling, treatment, and disposal. Fall, Spring.

ENV 4561 ECS-CEECE 3(3,0)
Advanced Environmental Engineering Operations & Processes: PR: ENV 4531 with a grade of "C" (2.0) or better. Advanced water and wastewater treatment including biological nutrient removal and desalination. Spring.

ENV 4562C ECS-CEECE 3(2,2)
Environmental Engineering Water Treatment Design: PR: EES 4202C and ENV 4531 both with grades of "C" (2.0) or better and department consent. Application of systems design criteria in the specification and design of a full scale potable water treatment plant. Spring. M&S fee $43.00

ENV 5410 ECS-CEECE 3(3,0)
Water Treatment: PR: EES 4202C or ENV 5517 or C.I. Potable water regulations, standards, chemical reactors, oxidation, disinfection, disinfection by-products, ultraviolet irradiation, internal corrosion and microbial control in municipal and industrial water distribution systems. Odd Spring.

ENV 5505 ECS-CEECE 3(3,0)

ENV 5517 ECS-CEECE 3(3,0)
Engineering Chemical and Biological Process Control: PR: ENVR 4561 (or equivalent) or C.I. Coverage of equilibrium/kinetic chemistry, softening and coagulation, and disinfection of water. Microbiology and biochemistry as applied to activated sludge system design. Fall.

ENV 5636 ECS-CEECE 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 system effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. Occasional.

ESI 4004C COS-BIOL 4(2,6)
General Entomology: PR: A "C" (2.0) or better in both ESI 2010C and ECI 211C, or C.I. Morphology, behavior, and ecology. Occasional. M&S fee $15.00

ENY 5006C COS-BIOL 4(2,6)
Entomology: PR: Admission to the M.S. in Biology. Ph.D. in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, or C.I. Morphology, behavior, and population biology of insects. Odd Fall. M&S fee $40.00

EPD 5359 ED-CFCS 3(2,2)
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 3940 ED-TL&L 3(16-0,16)

ESE 4033C ED-TL&L 3(2,2)
Critical Issues and Trends in Secondary Education: PR: C.I. A specific discipline. CR: ARE 4941, FLE 4941, LAE 4941, MAE 4941, SCE 4941, or SSE 4941. Examination of critical and contemporary issues and trends in secondary education. Laboratory experiences will connect to the issues and trends specific to particular content areas. Fall, Spring.

ESE 4942 ED-TL&L 7(12-0,35)

ESE 5214 ED-TL&L 3(3,0)

ESE 5344 ED-TL&L 3(3,0)
Managing the Secondary Classroom: PR: Graduate Standing or C.I. Strategies, methods, materials, and technologies for managing the secondary classroom. Creating positive classroom environments, maintaining/increasing appropriate behaviors, and teaching behavior appropriate to all students. Fall.

ESI 4221 ECS-IESEMS 3(3,0)
Empirical Methods for Industrial Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Application of empirical methods for industrial engineering problem solving. Fall.

ESI 4234 ECS-IESEMS 3(3,0)
Quality Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Basic concepts and techniques of quality control, applications of statistics in industrial research; design of quality assurance systems; reliability engineering. Fall.

ESI 4312 ECS-IESEMS 3(3,0)
Deterministic Methods for Operations Research: PR: STA 3032 and MAS 3105 with grades of "C" (2.0) or better in both. An introduction to basic principles and deterministic techniques of operations research. Topics include linear programming, integer programming, network flow problems, and non-linear programming. Fall.

ESI 4313 ECS-IESEMS 3(3,0)
Stochastic Methods for Operations Research: PR: STA 3032 with a grade of "C" (2.0) or better. Introduction to techniques of operations research involving probabilistic and stochastic models. Topics include stochastic processes (e.g. Poisson and Markovian processes, Queuing Theory, and Stochastic Programming). Spring.

ESI 4523 ECS-IESEMS 3(3,0)
Systems Simulation: PR: STA 3032 with a grade of "C" (2.0) or better. Methods and procedures for simulating large-scale systems with digital computers. High level simulation languages are used. Spring.

ESI 4628 ECS-IESEMS 3(3,0)
Decision Support Systems for Industrial Engineers: PR: STA 3032 with a grade of "C" (2.0) or better and COP 3223C (or any other high level computer programming course). Development of complete expert-based decision support system applications for analyzing and modeling real-world IE problems. Fall.

ESI 5219 ECS-IESEMS 3(3,0)
Engineering Statistics: PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, nonparametric stats and ANOVA. Fall, Spring.

ESI 5257 ECS-IESEMS 3(3,0)
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. Occasional.

ESI 5236 ECS-IESEMS 3(3,0)
Reliability Engineering: PR: ESI 4234 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include failure data analysis, maintainability, reliability standards (DOD), software reliability, reliability in design, and electronic systems reliability. Fall.

ESI 5306 ECS-IESEMS 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.

ESI 5359 ECS-IESEMS 3(3,0)
Risk Assessment and Management: PR: ESI 5219 or STA 3032. Problems and complexities involved in risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences. Occasional.

ESI 5419C ECS-IESEMS 3(2,2)
Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5306. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practicing or analyses. Occasional.

ESI 5531 ECS-IESEMS 3(3,0)
Discrete Systems Simulation: PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated. Spring.

ETI 3116 ECS-ECS 3(3,0)

ETI 3671 ECS-ECS 3(3,0)

ETI 4186 ECS-ECS 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.
FIL 3379C CAH-SVAD 3(3,6) Honors Advanced Documentary Production: PR: FIL 3363C or C.I. Advanced readings and analysis of documentary history, theory and ethics; production and practice of contemporary nonfiction entertainment. Occasional.

FIL 3427C CAH-SVAD 3(2,4) Introduction to Film Production: PR: FIL 3423 and FIL 3472C. Production of high-end multimedia projects centered on local artists. Opportunity to work with professional camera and editing equipment. Occasional.

FIL 3455C CAH-SVAD 6(2,4) Film Landscapes: Story, Image and Production Design: PR: FIL 2423 or FIL 3427C and FIL 3030. The use of landscape in film and its importance to the art of production design. Occasional.


FIL 3483 CAH-SVAD 3(3,0) Directing the Actor for Film II: PR: FIL 2481. Characterization and scene study as it applies to directing. Film director's access to performance. Occasional.

FIL 3492C CAH-SVAD 3(3,1) Performance in Film: PR: FIL 3033C. Study of the different traditions and forms of acting in film. Occasional.

FIL 3534 CAH-SVAD 3(3,0) Sound Design for Film I: PR: FIL 3427C and Film BFA or C.I. Focus on technical and aesthetic aspects of sound design and post-production sound recording, editing, and mixing for film. Fall.

FIL 3720C CAH-SVAD 3(2,4) Introduction to Animation: PR: DIG 3951 and declared Character Animation specialization, or ART 3950 and declared Experimental Animation specialization, or a minimum grade of "B" (3.0) in DIG 4713 and declared Game Design specialization. Introduction to computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. Fall, Spring.

FIL 3734C CAH-SVAD 3(2,4) Intermediate Animation: PR: Experimental Animation and Character Animation majors only, FIL 3720C and DIG 4750C, and successful 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. Fall, Spring.

FIL 3803C CAH-SVAD 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.

FIL 3804C CAH-SVAD 3(3,1) Film Theory and Criticism II: PR: FIL 2107 and Film BFA or Cinema Studies major. Major film theories from Second World War period to present. Spring.

FIL 3812C CAH-SVAD 3(3,1) Film Theories and Practices: PR: FIL 3030. Concentration on the film theories of film-makers in relation to their own work and to the cinema generally. Spring.

FIL 3821 CAH-SVAD 3(3,0) German Film: PR: FIL 2107. Exploration of the formal context 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-SVAD 3(3,0) Italian Neo-Realist Cinema: PR: FIL 3036 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-SVAD 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 movements in cinema that influence or reflect our culture. Spring.


FIL 3841 CAH-SVAD 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, Bresson, Godard, Rohmer, Resnais, and Rivette. Occasional.

FIL 3842 CAH-SVAD 3(3,0) International Cinema: PR: or CR: FIL 3036 or FIL 3037 and Film BFA or Film BA major. Critical exploration of the political, social, cultural and artistic context of international film production, with emphasis on co-production films and international connections in production and reception. Occasional.

FIL 3845 CAH-SVAD 3(3,0) World Cinema Traditions: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies majors. The relationship among film, history, and culture in selected Asian, African, Latin American, and Middle Eastern countries. Fall, Spring.

FIL 3847 CAH-SVAD 3(3,0) Latin American Cinema: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies majors. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.

FIL 3850 CAH-SVAD 3(3,0) Cinema Directors: PR: FIL 3033C 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-SVAD 3(3,0) Cinema Criticism Writing: PR: FIL 3036 or FIL 3037 and ENC 1102, FIL 3033C. Modes of cinema criticism. Occasional.

FIL 3860C CAH-SVAD 3(3,1) The Shot, Framing, Point of View: PR: FIL 3033C. Approaches to the shot, framing and point of view. Occasional.


FIL 3862C CAH-SVAD 3(3,1) Narrative Structures in Film: PR: LIT 2101 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-SVAD 3(3,1) Mise en scène and Film Style: PR: FIL 3803C and Film BFA or Film BA. Formal analysis of approaches to film style with specific emphasis on mise en scene. Spring.


FIL 3871 CAH-SVAD 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.

FIL 3876C CAH-SVAD 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-SVAD 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-SVAD 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-SVAD 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-SVAD 1(1,1) Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. Fall, Spring.

FIL 4040 CAH-SVAD 3(3,0) Animation Film History for Non Film Majors: PR: ENC 1102. Evolution of animation since World War II. Fall, Spring.

FIL 4042 CAH-SVAD 3(3,0) History of Animated Films II: PR: FIL 3041, and Cinema Studies, Art, Animation or Digital Media major. Growth and diversification of American and international animation since 1945. Spring.


FIL 4103 CAH-SVAD 3(3,0) Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. Occasional.

FIL 4103H CAH-SVAD 3(3,0) Historic Film Adaptations: PR: Consent of Honors. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. With Honors content. Occasional.

FIL 4126C CAH-SVAD 3(2,2) Genre Writing: PR: Film BA or Film BFA major and FIL 3803C. Advanced screenwriting practice in selected genres, including comedy, humor, western, crime, horror, and etc. Occasional.

FIL 4162C CAH-SVAD 3(2,3) Feature/TV Writing I: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor, and FIL 3115, or C.I. Writing workshop, examination of mythic storytelling, and ethics of scriptwriting. Fall.

FIL 4163C CAH-SVAD 3(2,3) Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader's coverage. Spring.

FIL 4301C CAH-SVAD 3(1,3) Documentary Workshop I: PR: FIL 3383C or C.I. Socially significant documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. Fall. M&S fee $40.00

FIL 4302C CAH-SVAD 3(1,3) Documentary Workshop II: PR: FIL 4301C or C.I. Socially significant documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. Spring.
FIL 4303C CAH-SVAD 3(3,1) Film Fiction and the Document: PR: LIT 2110, FIL 3035C, or FIL 4302C. Occasional. Between fiction and documentary in film and in the other arts at the core of which is the notion of the document. Fall.

FIL 4434C CAH-SVAD 3(2,4) 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.

FIL 4436 CAH-SVAD 3(3,0) Film Theory/Production: PR: Junior standing and FIL 1008 or C.I. Non-narrative filmmaking demonstrating the dynamic interplay between producing, viewing, reading and writing about images. Odd Spring.

FIL 4451 CAH-SVAD 3(3,0) Design for Film: PR: FIL 3427C, or C.I. Analysis of visual structure of film. Specific problems in art direction. Fall.

FIL 4453C CAH-SVAD 4(3,2) Special Problems in Film Design: PR: FIL 2422 or FIL 3427C and FIL 2030. A series of exercises in craft, techniques, and design for film production, including animation. Occasional.

FIL 4472C CAH-SVAD 3(2,4) Cinematography II: PR: Film major, FIL 3427C and FIL 2461. Advanced principles and practices of cinematography. Spring.

FIL 4486C CAH-SVAD 3(3,1) Directing for Film II: PR: Film BFA major and FIL 2460. Principles and practice in directing narrative and/or documentary motion picture. Fall.

FIL 4488 C AH-SVAD 3(3,0) Directing for Film III: PR: FIL 4466C. Advanced processes and techniques of directing. Spring.

FIL 4535C CAH-SVAD 3(3,1) Sound Design for Film II: PR: FIL 3534. An understanding of how production mixers bring the film director's vision to the screen. Spring.

FIL 4536C CAH-SVAD 3(2,4) Sound Design for Film III: PR: Film BFA or Digital Media Major and FIL 4535C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital formats. Occasional.

FIL 4566C CAH-SVAD 3(3,2) Editing II: PR: FIL 2552. Theory, techniques and practices in picture editing. Fall. M.S fee $5.00

FIL 4573C CAH-SVAD 3(3,1) Cinematography I: PR: FIL 4434C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. Spring.

FIL 4602 CAH-SVAD 3(3,0) 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.

FIL 4615C CAH-SVAD 3(3,2) Film Marketing and Exhibition: PR: Film BA or Film BFA major. The process of film festival marketing is examined and practiced in conjunction with local film festivals. Spring.

FIL 4647 CAH-SVAD 3(3,0) Film Production Management: PR: ENC 1102 and Junior Standing, or C.I. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. Spring.

FIL 4661 CAH-SVAD 3(3,0) The Film Producer: PR: FIL 2423 or FIL 3427C and Junior standing and Film BFA, World Cinema, or Cinema Studies major. The role of the producer is examined in the context of theatrical film. Spring.

FIL 4735C CAH-SVAD 3(2,4) Experimental Animation: PR: C (2.0) or better or in FIL 3900C. A portfolio review or C.I. Exploring Individual creation of original narrative and non-narrative animation with sound through classic, current, innovative, and hybrid analog and digital methodology. May be repeated for credit. Occasional.

FIL 4740C CAH-SVAD 3(3,1) Film and Digital Media: PR: FIL 3035C. A study of the new possibilities offered to film and thinking about film by digitalization. Occasional.

FIL 4750C CAH-SVAD 3(2,4) Experimental Animation Workshop: PR: C (2.0) or better in FIL 3720C and a satisfactory portfolio review or C.I. Individual and group creation of original narrative and non-narrative animation with sound through classic, current, innovative, and hybrid analog and digital methodology. May be repeated for credit. Occasional.

FIL 4830 CAH-SVAD 3(3,0) Motion Picture Genre: PR: FIL 2030. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Occasional.

FIL 4830H CAH-SVAD 3(3,0) Honors Motion Picture Genre: PR: Consent of Honors. Analysis and evaluation of films, including their major genres, directors, styles, and periods. With Honors consent. Occasional.

FIL 4863C CAH-SVAD 3(3,1) Montage: PR: FIL 3075C and FIL 3076C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and disjunctions. The course is theoretical with practical exercises. Fall.

FIL 4930 CAH-SVAD 3(3,1) Current Problems in Film and Culture: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. Occasional.

FIL 4935C CAH-SVAD 3(3,1) Current Problems in Film Theory: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film theory. Occasional.

FIL 4939C CAH-SVAD 3(3,1) Current Problems in Film History: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film history. Occasional.

FIL 5406 CAH-SVAD 3(3,0) Theories of Film Production: PR: Film MFA student or C.I. Comparative analysis of motion picture production methodologies, including the studio industrial model, from a historical/critical perspective. Spring.

FIL 5414 CAH-SVAD 3(3,0) Film Vision, Scope & Financing: PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, making, and distributing a digital, microbudget motion picture. Spring.

FIL 5419 CAH-SVAD 3(3,0) Developing the Film Screenplay: PR: Admission to MFA Film & Digital Media-Entre Dig Cin track, or C.I. Development of an existing, original screenplay to fit the demands, limits, and possibilities of the microbudget, digital film paradigm. Fall.

FIL 5800 CAH-SVAD 3(3,0) Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of film and new media. Spring.

FIL 5853 CAH-SVAD 3(3,0) Independent Cinematic Forms: PR: Admission to MFA Film & Digital Media-Dig Cin track, or C.I. Evolution of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. Fall.

FIL 5864 CAH-SVAD 3(3,0) Ways of Seeing: The Expressive Potential of Color: PR: Admission to MFA Film and Digital Media or C.I. A study of multidisciplinary theories that relate to the practice of filmmaking. Fall.

FIL 5924 CAH-SVAD 1(1,0) Graduate Seminar: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema track, or C.I. Strategies for a successful graduate experience, and forum for modes of inquiry, film technique, production and distribution issues; and thesis defense preparation. C.I. May be used in the degree program a maximum of 6 times. Fall.

FIN 2100 BA-FIN 3(3,0) Personal Finance and Investments: PR: Open to all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. Fall, Spring.

FIN 3303 BA-FIN 3(3,0) Financial Markets: PR: FIN 3403 with a C (2.0) or better, open to majors or minors which require this course. The role of short and long term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.

FIN 3403 BA-FIN 3(3,0) Business Finance: PR: ACB 2021 and ECO 2033 with a grade of "C" (2.0) or better. A study of the ways businesses finance their operations and the balance sheet as a reference point. This course provides an introduction and overview of the acquisition, financing, and management of business assets. Fall, Spring.

FIN 3403H BA-FIN 3(3,0) Honors Business Finance: PR: ACB 2021 and ECO 2033 with a grade of "C" (2.0) or better and consent of Honors. Open to University honors students and other students participating in the honors program. With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing, and management of business assets. With honors level content. Occasional.

FIN 3414 BA-FIN 3(3,0) Intermediate Corporate Finance: PR: FIN 3403 with a "B" (3.0) or better. Open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.

FIN 3461 BA-FIN 3(3,0) Financial Statement Analysis: PR: FIN 3403 with a "B" (3.0) or better. Open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Understanding and interpreting financial statement data for business decisions and valuations. Fall, Spring.

FIN 4243 BA-FIN 3(3,0) Debt and Money Markets: PR: FIN 3403 with a "B" (3.0) or better. Open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Course examines debt, money market investments, market structure, trading and valuation. Risk management introduced. Roles of banking systems, and financial institutions in fixed income markets. Fall, Spring.

FIN 4313 BA-FIN 3(3,0) Management of Financial Institutions: PR: FIN 3403 and FIN 4303 each with a C (2.0) or better, open to majors or minors which require this course. Analysis of management of financial institutions, including assets liability, and capital management, and regulatory influence on competition is considered. Occasional.

FIN 4324 BA-FIN 3(3,0) Commercial Bank Management: PR: FIN 4243 with a "C" (2.0) or better. Open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Analysis of the intersections of commercial banking policies and an analysis of current approaches to managing specific bank products. Fall, Spring.
FIN 4424  BA-FIN  3(3,0)
Advanced Topics in Financial Management: PR: FIN 4341, FIN 4243 and FIN 4504 each with a "C" (2.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Advanced study of financial management. Topics include: management, budgeting, financial structure, and capital decisions. Case studies used extensively. Fall, Spring.

FIN 4453  BA-FIN  3(3,0)
Financial Models: PR: FIN 4243 and FIN 4504, each with a "C" (2.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. Fall, Spring.

FIN 4504  BA-FIN  3(3,0)
Equity and Capital Markets: PR: FIN 4303 with a "B" (3.0) or better; open to majors or minors which require this course. Course examines equity investments, including market structure, trading, analysis, and valuation. Theories of efficient markets and rational investors are examined. Futures and options are introduced. Fall, Spring.

FIN 4514  BA-FIN  3(3,0)
Portfolio Analysis and Management: PR: FIN 4504 with a "C" (2.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Portfolio and capital market theory in the determination of rational investment strategies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4533  BA-FIN  3(3,0)
Financial Derivatives: PR: FIN 4504 or FIN 4423, each with a "C" (2.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4560H  BA-FIN  3(3,0)
Honors Applied Portfolio Management 1: PR: Consent of Honors or CI. Finance major, completion of FIN 3403, FIN 4243 and FIN 4504, each with a "B" (3.0) or better. Class size limited, enrollment must be approved by department. Students Managed Portfolio program with honors content. Provides rigorous analyses of equity portfolio management topics, including risk return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561H  BA-FIN  3(3,0)
Honors Applied Portfolio Management 2: PR: Consent of Honors or CI. Finance major, completion of FIN 3403, FIN 4243, FIN 4504 and FIN 4560H with a "B" (3.0) or better. Class size limited, enrollment must be approved by department. Students Managed Portfolio program with honors content. 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 3403 with a "B" (3.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, operation of Eurocurrency market and international bond markets. Fall, Spring.

FIN 4941  BA-FIN  3(3,0)
Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, 3.0 Finance major GPA, minimum overall GPA of 2.75 and consent of internship coordinator. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FLE 3160  ED-TL&L  3(3,0)
Education and Culture/Language Diversity: PR: Admission to major, overall 2.5 GPA, 3.0 GPA in major, and C.I. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language. Diversity. Occasional.

FLE 4314  ED-TL&L  3(3,0)
Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and their cultural competence. Fall, Spring.

FLE 4333  ED-TL&L  3(3,0)

FLE 5331  ED-TL&L  3(3,0)
Foreign Language Methods at the Secondary Level: PR: Graduate standing or C.I. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the K-8 classroom. Occasional.

FLE 5335  ED-TL&L  3(3,0)
Foreign Language Methods at the Elementary Level: PR: Graduate standing or C.I. 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.

FRE 1120C  CAH-LANG  4(3,1)
Elementary French Language and Civilization I: Introduces the student to French culture through the major language skills: listening, speaking, reading and writing. Only to students with no experience in the language. Fall, Spring.

FRE 1121C  CAH-LANG  4(3,1)
Elementary French Language and Civilization II: PR: FRE 1120C or equivalent. Continuation of FRE 1120C. Fall, Spring.

FRE 2200  CAH-LANG  3(3,1)
Intermediate French Language and Civilization: PR: FRE 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 2201  CAH-LANG  3(3,1)
Intermediate French Language and Civilization II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.

FRE 3300  CAH-LANG  3(3,0)
French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structures of French and applied knowledge of culture and language. Fall, Spring.

FRE 3410  CAH-LANG  3(3,0)
Advanced Oral French Abroad: PR: FRE 2200, FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

FRE 3420  CAH-LANG  3(3,0)
French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423  CAH-LANG  3(3,0)
Advanced French Grammar Abroad: PR: FRE 2200, FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440  CAH-LANG  3(3,0)

FRE 3441  CAH-LANG  3(3,0)

FRE 3760  CAH-LANG  3(3,0)
Advanced French Oral Communication: PR: FRE 2201 or equivalent. Vocabulary building with systematic training in dictation and location. Speeches and oral presentations as well as production and delivery of polite dialogues. Fall, Spring.

FRE 3780  CAH-LANG  3(3,0)
French Phonetics and Diction: French phonology, with emphasis on phonic groupings. Spring.

FRE 4421  CAH-LANG  3(3,0)
Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines; literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4422  CAH-LANG  3(3,0)
Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.

FRE 4471  CAH-LANG  6(6,0)
Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. Occasional.

FRE 4500  CAH-LANG  3(3,0)

FRE 4503  CAH-LANG  2(2,0)
Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

FRE 4950C  CAH-LANG  0(0,0)
French Portfolio: PR: French BA, Senior Standing and C.I. Portfolio application for French majors. The portfolio is part of the exit exam and is prepared during tenure at UCF. Fall, Spring.

FRT 3140  CAH-LANG  3(3,0)
French and Francophone Literary Interdisciplines in Translation: PR: FRE 2200. May include survey covering texts from the Middle Ages to the present or may focus on a particular period, genre, or topic. Occasional.

FRT 3451  CAH-LANG  3(3,0)
French Translation and Interpretation: PR: FRE 3300 and FRE 4240 or FRE 4422. Explores the basic concepts of English/French, French/English translation and interpretation. Occasional.

FRT 3562  CAH-LANG  3(3,0)
French Contemporary Pop Culture: PR: FRE 2200. Examination of Modern France and its culture, with emphasis on contemporary trends in languages, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.

FRT 4421  CAH-LANG  3(3,0)
French Medieval Literature and Culture: PR: FRT 3810. Provides students with the skills needed to read, discuss, and write about French Literature and culture of medieval France. Occasional.

FRT 4822  CAH-LANG  3(3,0)
Field Research in Sociolinguistics: PR: FRE 1121C. An interdisciplinary seminar to introduce students to the tools and concepts of qualitative sociolinguistic and cultural linguistic research. Field research. 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.
Odd Fall.

from the late 19th century to the present, with particular

relationship between language and literature; explications

Stylistics:

FRW 3101 CAH-LANG 3(3,0)

Survey of French Literature I: PR: FRE 2201 or
equivalent. Main literary elements 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 skills. Authors include: Voltaire, Maupassant,
Flaubert, Camus, and others. Occasional.

FRW 3740 CAH-LANG 3(3,0)

The French Literature of Canada: PR: FRE 2201 or
equivalent. Literature of the French speaking Caribbean
from colonial times to the present, in French. Occasional.

French Caribbean Literature: PR: FRE 2201 or
equivalent. Literature of the French speaking Caribbean
from colonial times to the present, in French. Occasional.

French Literature of Canada:

FRW 3760 CAH-LANG 3(3,0)

Creele Identity in the French-Speaking
World: PR: FRE 2201 or equivalent. Creele literatures
and cultures of the Francophone world. Spring.

FRW 3770 CAH-LANG 3(3,0)

Frenchophone Literature: PR: FRE 2201. The
literature of the Francophone world. Students will read,
analyze and discuss literary works written in French.
Even Spring.

FRW 3810 CAH-LANG 3(3,0)

French Literary Texts and Analysis: PR:
FRE 2201. French Literature and literary analysis from
the Middle Ages to the present. Course is conducted in
French. Fall.

FRW 4281 CAH-LANG 3(3,0)

20th Century French Novels: PR: FRW 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,
Matauax and Saramae. Occasional.

FRW 4310 CAH-LANG 3(3,0)

Seventeenth Century French Theatre: PR:
FRW 3100. Cornelle, Racine, and Moliere. A study of the
lives and principal works of the authors. Occasional.

FRW 4324 CAH-LANG 3(3,0)

20th Century French Drama: PR: FRW 3100 or
FRW 3101 or equivalent, or C.I. Concentration on
traditional and avant-garde theatre after WWII, such as the
works of Beckett, Camus, Claudel, Cariadou, lonesco, and
Sartre; different literary approaches will also be used.
Occasional.

FRW 4380 CAH-LANG 3(3,0)

Early Modern French Fairy Tales: PR: FRW
3100 and FRW 3101. Classic French fairy tale tradition
within the context of 21st century American fairy tale
tradition. Odd Spring.

FRW 4440 CAH-LANG 3(3,0)

French Literature of the Eighteenth
Century: PR: FRW 3100. The philosophical movement:
Montesquieu, Vauvenargues, Voltaire, Diderot, Buffon.
Odd Fall.

FRW 4522 CAH-LANG 3(3,0)

French Romanticism: PR: FRW 3100. Great
poets and dramatists of the Romantic Movement: Hugo,
Lamartine, Vigny, Musset, and others. Occasional.

FRW 4552 CAH-LANG 3(3,0)

Nineteenth Century French Literature: PR:
FRW 3101. Realism and naturalism. Occasional.

FRW 4820 CAH-LANG 3(3,0)

Stylistics: PR: FRE 3420 or equivalent. An
exhaustive study of textual criticism. An examination of
the relationship between language and literature; explications
and linguistic analysis of literary texts. Occasional.

Odd Spring.

FRW 2221C RCHM-FOOD&LODG 4(3,3)

Techniques of Food Preparation: PR: HFT
1000. Basic principles and practice of food and beverage
preparation, service, and menu development. Fall, Spring,
M&S fee $70.00

FRW 2284C RCHM-FOOD&LODG 4(3,3)

Food Preparation for Catered Events: PR: HFT
1000. Basic principles and practice of food preparation
and menu development for catered events. Methods
and procedures for on and off premise catered events.
Fall, Spring. M&S fee $70.00

FRW 3008 RCHM-FOOD&LODG 3(3,0)

Culture and Cuisine: PR: HFT 1000 and FRW 2221C.
The major historical and geographical developments that
have affected the creation of the cuisines of the world.
Occasional. M&S fee $35.00

FRW 3124 RCHM-FOOD&LODG 3(3,0)

Food Supply Chain Management: PR: HFT 1000,
FRW 2221C, HFT 3263 and Junior standing. Planning and
management activities involved in sourcing, procurement,
logistics, sustainability, commodities markets, and social
responsibility as related to food products and services.
Fall, Spring. M&S fee $45.00

FRW 3232C RCHM-FOOD&LODG 3(1,3)

Foodservice Operations Management: PR:
FRW 2221C. An integrative approach that combines
typeology and application in providing students
the opportunity to practice their skills in menu planning,
food preparation, and customer service. Laboratory class.
Occasional. M&S fee $70.00

FRW 4135 RCHM-FOOD&LODG 3(3,0)

Corporate Contract and Managed Services
Organizations: PR: HFT 3263 and Junior standing.
The unique characteristics of managed services including
contracting, commodity purchasing, pricing, and revenue
management. Occasional.

FRW 4286C RCHM-FOOD&LODG 3(3,1)

Catering Management: PR: HFT 1000, FRW
2221C, HFT 3263, and Junior standing. The creation
and execution of successful on-premise catered events.
Emphasis on hands on menu planning and design, food
preparation, and various service styles. Occasional. M&S
fee $70.00

GEA 3403 CAH-LAS 3(3,0)

Human Geography of Latin America: PR: ENC
1102 or C.I. Populations, hemispheric interdependence,
and international relations. Fall.

GEA 3404 CAH-LAS 3(3,0)

Migration Trends in Latin America: PR: ENC
1102 or C.I. Migration trends in Latin America and the
impact that migration has had on the Americas. Spring.

GEA 3455 CAH-LAS 3(3,0)

Geography of Brazil: PR: ENC 1101 or C.I.
Geophysical, cultural, economic, and social characteristics
and processes of Brazil. Fall.

GEA 4405 CAH-LAS 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.

GEA 4405H CAH-LAS 3(3,0)

Honors Geography of Latin America: PR:
ENC 1102H if equivalent credit and consent of Honors
Geography of Latin America and the Caribbean, including
gmeeophysical, cultural, economic, and social characteristics
and processes. With honors content. 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 3003 BA-MAN 1(1,0)

Career Research & Planning: PR: Admission
to the College of Business. Designed to provide a basic
understanding of the importance of career professionalism
in today’s competitive business environment. The course
focuses on self-awareness and career research and
planning. Fall, Spring.
GEB 4522 BA-BA 3(3.0)

GEB 4924 BA-BA 3(3.0)
Business Law in Sport & Entertainment: PR: SPB 3003 with a 'C' (2.0) or better. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Occasional.

GEB 4934 BA-BA 0(0,1)
Current Topics in Business Administration: PR: Admission to the College of Business, and C.I. Guest lectures discussing current topics that impact business in the Central Florida, state, national, and international business environment. Fall, Spring.

GEB 5516 BA-MAN 3(3.0)
Technological Entrepreneurship: PR: Graduate standing. Focus of the course is on identification, evaluation and commercialization of new technologies. Emphasis will be placed on the legal, financial and strategic aspects of technology transfer and development. Occasional.

GEB 5941 BA-BA 3(3.0)
Professional Business Practicum: PR: Acceptance in the graduate program. The practicum is to provide a professional business work experience for students entering the MBA program without such experience. Occasional.

GEO 1200 COS-POLS 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 COS-POLS 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: PR: ENC 1102 or POS 2041 or C.I. Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

GEO 3471 COS-POLS 3(3.0)
Honors World Political Geography: PR: ENC 1102 or POS 2041 and consent of Honors. Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. With Honors content. Occasional.

GER 1120C 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 1120C CAH-LANG 4(4.1)
Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

GER 1121C CAH-LANG 4(4.1)
Honors Elementary German Language and Civilization II: PR: GER 1120C or equivalent and permission of Honors. Continuation of GER 1120C, 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. 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 discussion selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.

GER 3420 CAH-LANG 3(3.0)

GER 3760 CAH-LANG 3(3.0)
Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabulariy building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

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 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.

GEO 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, Spring.

GEO 5007 CON-NURS 3(3.0)
Women and Healthy Aging: PR: Graduate standing or senior undergraduate. The examination of the health promotion opportunities and bio-psycho-social challenges of women as they age. Spring.

GEO 5600 ED-CFCS 3(3.0)
Physiology of Aging: PR: ESC 2010C or PCB 3703C or APK 4110C 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.

GEO 5648 HPA-SOWK 3(3.0)
Gerontology: An Interdisciplinary Approach: PR: Graduate standing or senior standing or C.I. The study of aging will be presented from an interdisciplinary and multidisciplinary approach spanning the social sciences and health. Occasional.

GIS 3043C UGST-INTERDISC 2(2.2)
GIS for Environmental Studies: PR: CGS 1060C and BSC 2010C, or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory with training using ArcGIS, including environmental analysis and facility sizing studies. Odd Fall.

GIS 4301C UGST-INTERDISC 4(2.2)
Advanced GIS Applications in Environmental Studies: PR: GIS 3043C. GIS analysis techniques used in environmental science, including raster overlay site suitability modeling, least-cost path analysis, 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: geology of rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

GLY 2038 COS-PHYS 3(3.0)
Environmental Geoscience: Environmental issues affecting Earth's crust, including earthquakes, volcanoes, major storms, water-supply problems, resource depletion, waste disposal, land-use planning, flooding, sea-level rise, coastal erosion, and climate change. Fall.

GRA 2101C CAH-SVAD 3(2.4)
Hons Introduction to Computer Art I: PR: ART 2823 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 2101C CAH-SVAD 3(2.4)
Introduction to Computer Art: PR: ART 2823 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.

GRA 2151C CAH-SVAD 3(2.4)
Illustration: PR: ART 2201C and ART 2300C. Pictorial and representational illustration using various media and techniques. Fall, Spring.

GRA 3102C CAH-SVAD 3(2.4)
Intermediate Graphic Design I: PR: Acceptance in Graphic Design Specialization or C.I. CR: GRA 3850. Techniques and methods for studio projects used in the graphic arts industry. Fall, M&S fee $45.00.

GRA 3112C CAH-SVAD 3(2.4)
Intermediate Graphic Design II: PR: GRA 3102C or C.I. Further development of studio techniques and problems in graphic design with emphasis on digital prepress. Spring. M&S fee $43.00.

GRA 3202C CAH-SVAD 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 3747C CAH-SVAD 3(2.4)
Intermediate Illustration I: PR: ART 2201C, ART 2203C, ART 2301C, and successful portfolio review. Techniques, production processes, media and materials used to create illustration for works utilizing sequential visual narrative. Fall, M&S fee $45.00.

GRA 3803C CAH-SVAD 3(2.4)
Intermediate Computer Graphic Design: PR: GRA 3102C or declared Web Design Track, ART 2201C, ART 2300C, and DIG 3716C. Graphic design techniques and methods relating to web design and development. Fall, Spring.

GRA 3959 CAH-SVAD 0(0.0)

GRA 4154C CAH-SVAD 3(2.4)
Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced techniques in the utilization of digital platforms to emulate traditional media. May be used in the degree program a maximum of 3 times. Spring. M&S fee $45.00.

GRA 4196C CAH-SVAD 3(2.4)
Advanced Graphic Design: PR: GRA 3112C or C.I. Practical studio problems, with emphasis on the evaluation of visual design elements. Fall. M&S fee $43.00.
GRA 4197C CAH-SVAD 3(2,4) Special Problems in Graphic Design: PR: GRA 4160C. CAH: 3(2,4) Special Problems in Graphic Design emphasis on the development of a professional portfolio. May be used in the degree program a maximum of 2 times. Spring. M&S fee $45.00

GRA 4802C CAH-SVAD 3(2,4) Advanced Computer Graphic Design: PR: GRA 3803C. Graphic design techniques and methods related to motion graphics. Odd Fall, Spring. M&S fee $15.00

HBR 1120 CAH-JUD 3(3,0) Modern Israeli Hebrew I: PR: none. Teaches basic language skills, listening, speaking, reading and writing with an emphasis on the practical knowledge of Hebrew as used in modern Israel. Fall.

HBR 1121 CAH-JUD 3(3,0) Modern Israeli Hebrew II: PR: HBR 1120 or equivalent. A continuation of the basic language skills; listening, speaking, reading and writing with an emphasis is on the practical knowledge of Hebrew as used in modern Israel. Spring.

HBR 2200 CAH-JUD 3(3,0) Intermediate Modern Israeli 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 the modern Israeli culture. Fall.

HBR 2201 CAH-JUD 3(3,0) Intermediate Modern Israeli Hebrew II: PR: HBR 2200. Further development of modern Hebrew language skills; the development of reading, speaking, and writing as used in modern Israeli. Spring.


HBR 3410 CAH-JUD 3(3,0) Conversational Israeli Hebrew: PR: HBR 1120, HBR 1121 or equivalent. C.I. Study and practice of contemporary conversational Israeli Hebrew. Occasional.

HFT 1000 RCHM-TEA 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 2071 RCHM-TEA 3(3,0) Introduction to the Entertainment Industry: PR: HFT 1000. The course provides students with core knowledge of the diverse and dynamic entertainment industry. Fall, Spring.

HFT 2220 RCHM-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-SERV 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 2500 RCHM-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 2563 RCHM-TEA 3(3,0) Digital Marketing in Entertainment: PR: HFT 2071. Investigate the role of digital and mobile marketing and the most successful techniques associated with these marketing approaches in the entertainment industry. Fall, Spring.

HFT 2750 RCHM-TEA 3(3,0) The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry. Fall, Spring.

HFT 2843 RCHM-SERV 3(3,0) Sanitation in the Food Service Industry: Causes and prevention of food spoilage and food borne illnesses. Introduction to Restaurant Association (NRA) certification. Fall, Spring.

HFT 3224 RCHM-SERV 3(3,0) Hospitality Management & Leadership Fundamentals: PR: HFT 1000 or C.I. Principles of hospitality and tourism industry management and leadership; covers foundational concepts of service industry management and leadership. Fall, Spring.

HFT 3263 RCHM-SERV 3(3,0) Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing. Discussion of the topics integral for the successful management of restaurant and food service organizations. Fall, Spring.

HFT 3273 RCHM-SERV 3(3,0) Principles of Resort Timesharing: PR: HFT 1000. Principles of resort timeshare marketing and ownership. Fall, Spring.

HFT 3323 RCHM-SERV 3(3,0) Hospitality Physical Plant Management: PR: Junior standing. Focuses on operational problems related to the physical plant and structure of enterprises in the hospitality industry. Spring.

HFT 3353 RCHM-TEA 3(3,0) Golf Planning & Operations I: Customer relations, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. Occasional.

HFT 3354 RCHM-TEA 3(3,0) Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. Occasional.

HFT 3357 RCHM-TEA 3(3,0) Club Event Operations: PR: HFT 1000, HFT 2500. Develop, plan, and organize club events of all types. Occasional.

HFT 3373 RCHM-TEA 3(3,0) Event Design, Production & Technology: PR: HFT 1000, HFT 2750, and HFT 3670, or C.I. Aspects of event production, including art, design and staging. How technology is used in the event industry to increase effectiveness and productivity. Fall, Spring.

HFT 3375 RCHM-TEA 3(3,0) Entertainment Business: PR: HFT 2071 and HFT 2330. The course examines business models in the various subsets of the entertainment industry focusing on financial, marketing, and human resources as well as value proposition. Fall, Spring.

HFT 3384 RCHM-TEA 3(3,0) Club Enterprise Management: PR: HFT 1000 and FSS 2221C. Comprehensive examination of the club management industry, its related national and international associations, and career path opportunities. Occasional.

HFT 3395 RCHM-TEA 3(3,0) Entertainment Media and Technology: PR: HFT 2071, HFT 2563, HFT 3376. Students explore the foundations of media production, data analytics, digital promotion and distribution in the entertainment industry. Discuss cultural, demographic and technology market opportunities. Fall, Spring.

HFT 3431 RCHM-SERV 3(3,0) Hospitality Industry Managerial Accounting: PR: ECO 2013 or ECO 2023, and MAC 1105C and HFT 2401. 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 2750. Use of technology in the event industry to simplify processes and help people be more productive. Covers types of technology for different event types. Fall, Spring.

HFT 3444 RCHM-SERV 3(3,0) Hospitality Information Systems: PR: ECO 2013 or ECO 2023, and CS 2100, MAC 1105, HFT 2594, 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 3463 RCHM-TEA 3(3,0) Revenue & Relationships in the Entertainment Industry: PR: HFT 2401 and HFT 3375. Basic fund raising principles and sales strategies within the entertainment industry are applied. Industry relevant concepts of revenue and relationship management strategies are learned. Fall, Spring.

HFT 3512 RCHM-TEA 3(3,0) Event Promotion: PR: HFT 2750, and HFT 2254. Promotion of events to sponsors, attendees, exhibitors and other participants. Fall, Spring.

HFT 3519 RCHM-TEA 3(3,0) Event Services: PR: HFT 2750 and HFT 2254. The role of technology in the event planning. The successful management of events. The supply side of the event industry. Fall, Spring. M&S fee $32.00

HFT 3523 RCHM-TEA 3(3,0) Event Sales: PR: HFT 2500 and HFT 3519, or C.I. In-depth look at the sales process for events, including the development of requests for proposals, negotiation skills and sales strategies. Fall, Spring.

HFT 3540 RCHM-SERV 3(3,0) Guest Services Management I: PR: ECO 2013 or ECO 2023, and MAC 1105. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.

HFT 3593 RCHM-TEA 3(3,0) Consumer Behavior in Entertainment: PR: HFT 2071, HFT 2563, and HFT 3395. Explores entertainment consumer behavior as driven by physiological, psychological and social domains that are also shaped by marketing practices and macro-environmental factors. Fall, Spring.

HFT 3603 RCHM-SERV 3(3,0) Legal Environment in the Hospitality and Tourism Industry: PR: C.I. Principles of law as related to the Hospitality/Tourism Industry. Fall, Spring.

HFT 3654 RCHM-SERV 3(3,0) Hospitality Franchise Management: PR: HFT 2401 or HFT 3283, HFT 2500, HFT 3431 and Junior standing. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Spring.

HFT 3670 RCHM-TEA 3(3,0) Hospitality and Event Risk Management: PR: HFT 2500 and HFT 2570. Risk, crisis, and liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. Fall, Spring.

HFT 3700 RCHM-TEA 3(3,0) Tourism Operation 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 2750. 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.
analytic tools to develop strategies for "real-life" marketing opportunities in the industry. The history and development of 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 3795 HFT-TEA Management in the Entertainment Industry: PR: HFT 2071 and HFT 2330. The course challenges students to develop a personal leadership framework that can successfully function within a creative environment through the lens of entertainment. Fall, Spring.

HFT 3978 HFT-FOOD&LODG Fairs and Festivals: PR: HFT 2750. Evolution of modern day fairs and festivals. Fall, Spring.

HFT 3811 HFT-FOOD&LODG Beverage Sales, Marketing, and Distribution: PR: HFT 1000 and HFT 2500. The complex world of beverage sales, marketing and distribution, including brand management, legal issues, and the roles of producers, importers, wholesalers, retailers, and hospitality outlets. Spring.

HFT 3813 HFT-FOOD&LODG Marketing Analysis in the Food Ind: PR: HFT 2500 and HFT 2330. Introduces marketing concepts and analytic tools to develop strategies for "real-life" marketing challenges in the food industry. Occasional.

HFT 3868 HFT-FOOD&LODG History and Culture of Wine: PR: Minimum age of 21 and HFT 2330 or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. Occasional. M&S fee $70.00

HFT 3933 RCHM-RCHM Distinguished Lectures in Hospitality Management: PR: HFT 1000, Junior standing. First hand introduction to hospitality leaders, their perspectives on the segments they represent, and the breadth of those segments. Graded S/U. Fall, Spring.

HFT 3949 RCHM-RCHM 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 4065 RCHM-FOOD&LODG Fine Spirits Management: PR: HFT 1000 and all lecturers. This course is designed to familiarize the student with the production, aroma/taste profiles, branding, advertising, sales, distribution, laws, regulations, and responsible practices of distilled spirits. Occasional. M&S fee $42.00

HFT 4206C RCHM-FOOD&LODG 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-FOOD&LODG Advanced Lodging Operations: PR: HFT 2254, HFT 2500, HFT 3431, HFT 3603 and Junior Standing. Advanced case study course based on interaction with hotels, timeshares, shared ownership properties, and other sleeping accommodations. Exposes course participants to real life operational situations. Spring.


HFT 4266 RCHM-FOOD&LODG Hospitality Brand Management: PR: HFT 3263 or HFT 2254, and HFT 2500 and Junior standing or C.I. Exploration of the principles of brand management for restaurants and foodservice, hotels, timeshares and shared ownership properties. Fall, Spring.
HFT 4626 RCHM-TEA 3(3,0)
Public Policy Issues in the Entertainment Industry: PR: HFT 3700 and HFT 4623. The course examines the degree to which entertainment businesses are intertwined with government regulations and interventions. (3 credits) Odd Spring.

HFT 4715 RCHM-RCHM 3(3,0)

HFT 4732 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 to develop and manage tourism strategies and processes involving design, operations, distribution, networking and impact of tourism at the destination. Occasional.

HFT 4751 RCHM-TEA 3(3,0)
Managing the Employee Experience in the Theme Park and Attraction Industry: PR: HFT 4755 and junior standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. Fall.

HFT 4752 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 4754 RCHM-TEA 3(3,0)
Exhibit and Trade Show Operations: PR: HFT 3700 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 resource, ride operations, merchandising, food services, and architectural design Fall, Spring.

HFT 4757 RCHM-TEA 3(3,0)
Event Management: PR: All courses in the Event Management core, or C.I. The development, design, and evaluation of events that meet stakeholder needs and expectations. Incorporates a case study approach. Requires event volunteer hours approved by instructor. Fall, Spring.

HFT 4758 RCHM-TEA 3(3,0)
Operational Issues in the Theme Park and Attractions Industry: PR: HFT 4755. Organizational structure and operational culture of theme parks and attractions 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)
HIS 3600 CAH-HIST 3(3,0)
Professionalizing History Majors: PR: AMH 2010 and AMH 2020, or EUH 2000 and EUH 2001, or WOH 2012 and WOH 2022 or C.I. To enhance the role of History professionals in civic life and careers. Fall, Spring.

HIS 3930H CAH-HIST 3(3,0)
ST: Honors The City as Text : PR: Consent of Honors Study of theory and history of urban spaces, focusing on Orlando and Central Florida. With Honors continuation permission.

HIS 3949 CAH-HIST 0(0.0)
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 4065 CAH-HIST 3(3,0)

HIS 4070 CAH-HIST 3(3,0)

HIS 4150 CAH-HIST 3(3,0)
History and Historians: PR: C.I. A study of European and/or American historiography. May be used in the degree program a maximum of 2 times. Fall, Spring.

HIS 4323 CAH-HIST 3(3,0)

HIS 4490 CAH-HIST 3(3,0)

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 4959 CAH-HIST 0(0.0)
History Portfolio: PR: "C" or better in HIS 4150 and Senior standing. In the term they are graduating, History B.A. students revise their portfolio and submit for approval. Fall, Spring.

HIS 4970H CAH-HIST VAR
Honors Undergraduate 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 5083 CAH-HIST 3(3,0)
Cultural Heritage Management: PR: Graduate standing. HIS 5067, or C.I. Readings in the debates and issues of international management of cultural heritage and proposals including introduction to UNESCO standards. Occasional.

HIS 5088 CAH-HIST 3(3,0)
Readings in Curation & Public History: PR: Graduate standing or C.I. Readings in the theories, principles, methods, and design for publically engaged history content and visualization. Even Fall.

HIS 5095 CAH-HIST 3(3,0)
Readings in Historic Preservation: PR: HIS 5067 or C.I. Course will expose students to major theoretical conversations in Historic Preservation including law, sustainability, and cultural resource management. Occasional.

HIS 5925 CAH-HIST 3(3,0)
History in the Digital Age: PR: Graduate standing or C.I. Readings in the history, theory, and methodologies of digital historical practices from precedents in New Social History to the present, including use in Public History. Even Fall.

HIS 5937 CAH-HIST 3(3,0)
History in the Digital Age: PR: Graduate standing or C.I. Readings in the history, theory, and methodologies of digital historical practices from precedents in New Social History to the present, including use in Public History. Occasional.

HIS 5937 CAH-HIST 3(3,0)
Readings in Historic Preservation: PR: HIS 5067 or C.I. Course will expose students to major theoretical conversations in Historic Preservation including law, sustainability, and cultural resource management. Occasional.

HLP 2701 ED-CFCS 3(3,0)
Peer Education Training: PR: Sophomore standing and (CIS 2010 or CIS 2020) or (C.I. and for teaching little skills: health education information for secondary students and college age peers Fall, Spring.

HSA 3012 HPA-HP 3(3,0)
Issues & Trends in Public Health: PR: Sophomore standing and (CIS 1060C or CIS 2100C). The American public health system, looking at the historical, present day, and future organization and management of all its components. Occasional.

HSA 3104 HPA-HMI 3(3,0)
Health Services Administration Cornerstone: PR: (CIS 1060C or CIS 2100C) and Junior Standing or C.I. Heighten the overall student awareness about the Health Services Administration Field, provide a foundation or framework to guide students through the major. Fall, Spring.

HSA 3111 HPA-HP 3(3,0)
U.S. Health Care Systems: PR: (CIS 1060C or CIS 2100C) and Sophomore Standing. A survey of the economics, social, and political aspects of the health care system in the United States. Fall, Spring.

HSA 3170 HPA-HP 3(3,0)
Health Care Finance: PR: HSA majors - PR: C.I. or C.G. or C.H.S. or HSA 3111 and Senior and PR: HSA 3170; non-HSA majors: ACG 2021 and ACG 2071. Budgeting and resource allocation related to health care agencies. Fall, Spring.

HSA 3222 HPA-HP 3(3,0)

HSA 3423 HPA-HMI 3(3,0)
Health Law: PR: HSA or HMI major, and HIM 3006, or C.I. Principles of law as applied to the health field, with special reference to health practices and management. Fall.

HSA 3430 HPA-HP 3(3,0)
Health Care Economics: PR: HSA 3111; ECO 2023; or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers behaviors in the delivery of health services. Fall, Spring.

HSA 4109 HPA-HP 3(3,0)
Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans: PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

HSA 4180 HPA-HP 3(3,0)
Organization & Management for Health Agencies I: PR: HSA 3111 or admitted to HMI program. Management of health care organizations, strategic planning, health economics, and healthcare financial management. Fall, Spring.
HSA 5509 Health Care Risk Management I: PR: Admission to M.S. in Health Administration or C.I. Examines background, history and philosophy of health care risk management. The Health Care Risk Management course is comprised of a total of 12 modules addressing key areas of the field. Health Care Risk Management I covers Modules 1-6 and Health Care Risk Management II covers Modules 7-12. Students must complete both courses in sequential order in order to apply for Risk Management licensure. Fall, Spring.

HSA 5937 Health Care Risk Management II: PR: HSA 5509 The Health Care Risk Management course is comprised of a total of 12 modules addressing key areas of the field. Health Care Risk Management I covers Modules 1-6 and Health Care Risk Management II covers Modules 7-12. Students must complete both courses in sequential order in order to apply for Risk Management licensure. Occasional.


HSC 2000 Introduction to Careers in Health Professions: PR: Freshman and Sophomore only. A survey of careers in health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Graded S/U. Fall.

HSC 2524 Introduction to Human Disease: PR: BSC 2040C or with a grade of "C" (2.0) or better. Restricted to COHPA majors or C.I. Basic concepts and mechanisms related to the understanding of human disease. Fall, Spring.

HSC 2921 LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following with a B (3.0) or better: HSC 1931C, EGS 1036C, IDS 1040C, GEB 1091C or EDG 1005C. Experiential learning in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. Occasional.

HSC 3102 Foundations of Health Behavior: PR: STA2023 with a grade of "C" (2.0) or better and junior standing. Basic concepts of behavioral theories, how to develop health-promoting behaviors through behavioral modeling, and the foundations for conducting ethically-sound behavioral health research. Occasional.

HSC 3110 Medical Self Assessment: PR: Sophomore standing. Development of clinical skills and understanding of one's health to encourage active participation of individuals in their own health care. Fall, Spring.

HSC 3147 Introduction to Pharmacology: PR: BSC 2010C with a grade of "C" (2.0) or better and sophomore standing. Basic concepts of pharmacology including terminology, regulation, and use of drugs in human disorders. Fall, Spring.

HSC 3211 Preventive Health Care: PR: PCB 3703C with a grade of "C" (2.0) or better. Preventive healthcare in the U.S., including current recommendations and guidelines to prevent disease and application of preventive interventions to specific chronic diseases. Fall, Spring.

HSC 3432 Occupational Safety for the Health Care Professional: PR: ZOO 3733C and PCB 3703C each with a grade of "C" (2.0) or better. Issues surrounding the health care environment and the risks associated with working there. Fall, Spring.

HSC 3537 Medical Terminology: A study of the language of medicine. The field of health care specialties, including work construction, definitions, and application of terms. Fall, Spring.

HSC 3559 HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and the issues surrounding this public health crisis. Fall, Spring.

HSC 4008 Professional Development in Health Professions: PR: ENC 1102 and Junior Standing. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements. Fall, Spring.

HSC 4158 Medical Pharmacology I: PR: BSC 2010C and CHM 2045C each with a grade of "C" (2.0) or better. General pharmacological principles such as regulations, routes of administration, drug mechanisms of action, indications/contraindications, and the side effects. Fall.

HSC 4159 Medical Pharmacology II: PR: HSC 4158 with a grade of "C" (2.0) or better. Mechanism of drug action used in treatment of the nervous, cardiovascular, endocrine, and immune systems. Spring.

HSC 4201 Community Health: PR: ENC 1102 and Junior Standing, or C.I. Historical, sociocultural and economic factors in community health; current community health problems; interphase of governmental, voluntary and private agencies. Fall, Spring.

HSC 4500 Epidemiology: PR: HSA 3111 and (STA 2014C or STA 2023), or C.I. A study of the distribution and determination of diseases and injuries in human population. Fall, Spring.


HSC 4553 Concepts in Pathophysiological Diagnosis: PR: (HSC 4555 or HSC 4558) with a C (2.0) grade or better, and Senior standing. Basic principles of diagnosis with a focus on methodology and relevance to pathophysiology. Occasional.

HSC 4555 Pathophysiology I: PR: ZOO 3733C and PCB 3703C, each with a grade of "C" (2.0) or better. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the immune, cardiovascular, respiratory, and renal systems. Fall, Spring.

HSC 4558 Pathophysiology II: PR: PCB 3703C and ZOO 3733C each with a grade of "C" (2.0) or better. Abnormalities in physiologic functioning of the human body, with focus on the pathology, pathogenesis and clinical manifestations of the digestive, hepatobiliary, nervous, and endocrine systems. Fall, Spring.

HSC 4564 Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.

HSC 4572 Clinical Nutrition: PR: HUN 2201 with a grade of "C" (2.0) or better. Basic principles of both normal and medical nutrition therapy associated with health and chronic diseases of public health importance. Fall, Spring.

HSC 4652 Health Law and Ethics: PR: ENC 1102 and Junior Standing, or C.I. Overview of the legal and ethical principles by health care consumers, practitioners, administrators and health care facilities. Fall, Spring.

HSC 4730 Applied Health Research Methodology: PR: STA 2023 with a grade of "C" (2.0) or better and junior standing. Clinical research issues including: clinical research questions, protocols, patient safety, IRB, ethics and patient rights. Occasional.

HSC 4930 Health Sciences Seminar: PR: Senior standing and Health Sciences major Career and graduate school preparation, and applied and clinical and translational research in healthcare. Fall, Spring.

HSC 4943 Health Sciences Internship: PR: Junior standing, 3.5 UCF GPA, HSC 4555 or HSC 4558, and approval of the Program Director. Provides students with an opportunity to apply their academic knowledge in various professional healthcare environments. Internship sites include clinical shadowing, research, and other community outreach opportunities. Occasional.


HUM 2210 CAH-PHIL: PR: Consent of Honors. The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities. Fall, Spring.

HUM 2210H CAH-PHIL: PR: Consent of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2210H CAH-PHIL: PR: Consent of Honors. Humanistic Tradition I: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall.

HUM 2230 CAH-PHIL: PR: Consent of Honors. Humanistic Tradition II: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall, Spring.

HUM 2230H CAH-PHIL: PR: Consent of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall.

UCF Courses and Descriptions

HUM 3307 CAH-PHIL
Memory and Testimony: PR: HUM 2210 and HUM 2230 and Junior standing. Interdisciplinary exploration of personal and public memory, focusing on the significance of memory and testimony for our sense of self, family, community, culture, and nation. Odd Spring.

HUM 3320 CAH-PHIL
Contemporary Multicultural Studies: PR: Any HUM course or C.I. Historical and contemporary theories of sex and gender relevant in interdisciplinary Humanities. Occasional.

HUM 3326 CAH-PHIL
Theories of Sex and Gender in Humanities: PR: Any HUM course or C.I. Historical and contemporary theories of sex and gender relevant in interdisciplinary Humanities. Occasional.

HUM 3401 CAH-PHIL
Asian Humanities: PR: Any HUM course 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 3419H CAH-PHIL
Honors Islamic Thought and Culture: PR: HUM 2230, or REL 2300, and Consent of Honors. The development of Islamic thought and culture, concentrating on religious, scientific, and social sciences, with special focus on the contributions of Islam in Western literature and scholarship. With Honors consent. Occasional.

HUM 3423 CAH-PHIL
African Humanities: PR: Any HUM course or C.I. Contemporary art, culture, and philosophy in selected African countries. Occasional.

HUM 3431 CAH-PHIL
Ancient Humanities: PR: Any HUM course or C.I. Development of Ancient Greek thought and culture, with emphasis on philosophy, religion, literature and art. Occasional.

HUM 3435 CAH-PHIL
Medieval Humanities: PR: Any HUM course or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art. Occasional.

HUM 3460 CAH-PHIL
Latin American Humanities: PR: HUM 2210 or HUM 2230. Ideas in cultures of Latin America and the Caribbean region as expressed in arts, architecture, music, philosophy, religion, literature and film. Occasional.

HUM 3800 CAH-PHIL
Research Methods in Humanities: PR: Humanities Major with any prior HUM course or C.I. Research methods for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies. Occasional.

HUM 3805 CAH-PHIL
Critical Theory in the Humanities: PR: Any HUM course, or C.I. Theories of interpreting texts, words, and practices, with emphasis on film, visual/performance arts, music, religion, and philosophy. Occasional.

HUM 3806 CAH-PHIL
Critical Race Theory: PR: Any HUM course or C.I. Provides an overview of major themes, theories, and historiography from the field of Critical Race Theory. Occasional.

HUM 3830 CAH-PHIL
Introduction to Digital Humanities: PR: Any HUM course or C.I. Investigation of the application of digital tools to humanities questions, and to questions about contemporary life. Fall.

HUM 4301 CAH-PHIL
The Classical Ideal: PR: Any 3000-level HUM course 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 4310 CAH-PHIL
Performance Theory: PR: Any 3000-level HUM course, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performances, bodily and virtual performances, self-identity, and the politics of performance. Occasional.

HUM 4394 CAH-PHIL
Place and Space: PR: HUM 2230 or C.I. Phenomenological, symbolic, constructivist, and deterministic approaches to personal and social space. Occasional.

HUM 4459 CAH-PHIL
American Cultural Studies in Humanities: PR: Any 3000-level HUM course, or C.I. Theories of culture intersecting race, class, gender, migration, ability, and national identity in North America. Occasional.

HUM 4823 CAH-PHIL

HUM 4826 CAH-PHIL
Postcolonial Theory: PR: Any 3000-level HUM course or C.I. Interdisciplinary overview of postcolonial philosophy, literature, film, and art culture. Even Fall.

HUM 4931 CAH-PHIL
Key Figures in the Humanities & Cultural Studies: PR: Any 3000-level HUM course or C.I. Study of a central Humanities/Cultural Studies figure’s work, influences, reception, and effect. May be repeated for credit only when course content is different. Occasional.

HUM 4933 CAH-PHIL
Senior Research Seminar: PR: Any 3000-level HUM course or C.I. Capstone course on research, developing effective oral and written communication skills. Spring.

HUM 4934 CAH-PHIL
Key Concepts in Humanities & Cultural Studies: PR: Any 3000-level HUM course or C.I. Study of the development, meaning, and implications of a central concept in the Humanities and Cultural Studies. May be repeated for credit only when course content is different. Occasional.

HUM 5396 CAH-PHIL
Place and Space: PR: Graduate standing or C.I. Study of theoretical and applied issues of place and space. Occasional.

HUM 2201 HPA-HP
Fundamentals of Human Nutrition: PR: Sophomore standing Functions, roles, guidelines and requirements for nutrition, includes digestion, absorption, nutrient interactions, effects of deficiencies or toxicities, food sources and weight management. Emphasis on prevention of disease. Fall/Spring.

HUM 3011 CON-NURS
Human Nutrition: PR: or CR: ZOO 3733C and CHM 1032 or C.I. 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.

HUM 3013 RCHM-FOOD&LOGD

HUM 5247 HPA-HP
Principles of Human Nutrition: PR: Admission to Health Sciences M.S. Clinical and Lifestyle Sciences track or C.I. Course promotes in-depth understanding of the role of macro nutrients in human nutrition and health research, graduates to integrate knowledge into other aspects of their work. Occasional.

IDC 5602 GRDST-INTERDIS
Cybersecurity: A Multidisciplinary Approach: PR: Graduate standing or C.I. Interdisciplinary M&S fundamentals as applied to cybersecurity including operating system installation and administration for hardware, network architectures, configurations, behavioral aspects, organizational continuity planning, security management. Fall.

IDH 1920H BHC-HON

IDH 1921H BHC-HON
Honors Symposium II: PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.

IDH 3101H BHC-HON
Honors Cultural Traditions of India: PR: Consent of Honors. Integrative background of Indian culture, philosophy and art. Instruction on music, yoga, dance and Indian fine arts. Fall/Spring.

IDH 3600H CAH-PHIL
Honors Case Studies in Ethics: PR: Permission of Honors or C.I. A case-study approach to contemporary ethical issues. Students will apply critical thinking skills and ethical theories to solve problems and will participate in team debates. With Honors consent. Fall.

IDH 3930H BHC-HON
Honors Trauma in a Global Context: PR: ENC 1102 and Consent of Honors. The course addresses the psychological effects of different forms of trauma within a dynamic global context. Occasional.

IDH 3930H BHC-HON
Superheroes In American Popular Culture: PR: Consent of Honors An historical, sociopolitical, cultural, aesthetic and thematic examination of the mythos, myths, and social systems using approaches and data from disparate fields and apply them to academic plans and research. With Honors consent. Occasional.

IDH 4030H BHC-HON
Honors Windows To The World: PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Premed Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.

IDS 3150 UGST-INTERDIS
Introduction to Environmental Studies: PR: Junior standing, complete equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.

IDS 3333 UGST-INTERDIS
World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economics, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3933 UGST-INTERDIS
Cornerstone Experience: PR: ENC 1102, Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall/Spring.

IDS 4204C ECS-EC
Advanced Topics on Energy and Sustainability: PR: Acceptance into the Energy and Sustainability Minor, Senior standing and Completion of GEP or C.I. Contemporary topics in energy and sustainability. Seminars and lectures from industry, academia, government, and UCF speakers. Students are required to work on individual or team assignments, research projects, and present their work in the form of mini seminars. Occasional.
JOU 3320 COS-COMM 3(3,0) News Producing: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Fundamentals of television news producing in a studio-like environment including information and discussion on journalism ethics, management skills and working with on-air talent. Occasional.

JOU 3510 COS-COMM 3(3,0) Mag Mag Publishing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current topics. Fall.

JOU 3912 COS-COMM 3(3,0) Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603 or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the processes of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

JOU 3951 COS-COMM 3(3,0) Knightly Latino: Spanish Language News: PR: JOU 2100C and RTY 3321, or C.I. Focuses on the production of a weekly Spanish campus webcast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor. Fall, Spring.

JOU 4181 COS-COMM 3(3,0) Public Affairs Reporting: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2000C. Writing feature articles for newspapers and magazines. Fall, Spring.

JOU 4030 COS-COMM 3(3,0) Feature Writing: PR: Journalism major or Magazine Journalism minor. A study of the techniques and procedures of feature writing, including the preparation of several manuscripts. Occasional.

JOU 4030E COS-COMM 3(1,2) Critical Writing: PR: Journalism major or Magazine Journalism minor. Writing reviews of movies, plays, television programs, concerts, books, and other cultural works. Occasional.

JOU 4038 COS-COMM 3(3,0) Freelance Writing: PR: Journalism major or Magazine Journalism 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) Online Journalism: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. The development, impact and problems of using the Internet as a journalistic tool. Write and design news for the Web. Occasional.

JOU 4342C COS-COMM 3(2,1) Multimedia Journalism: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Combining print and electronic technologies to transmit information to the public. Fall, Spring.

JOU 4447 COS-COMM 3(3,0) Magazine Editing and Production: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. Magazine production, including writing and editing skills, and editorial requirements. Spring.

JOU 4700 COS-COMM 3(3,0) Journalism Ethics: PR: MMC 3200. Ethical problems in journalism, dealing with the potential problems in newsrooms. Fall, Spring.

JOU 4850 COS-COMM 4(4,0) Senior Capstone in Journalism: PR: JOU 3101, and (JOU 4340 or JOU 4342), or C.I. Advanced techniques in multimedia news gathering and reporting for a daily newspaper or a part of a capstone experience in journalism. Fall, Spring.


JPN 2200 CAH-LANG 3(3,1) Intermediate Japanese Language and Civilization I: PR: JPN 2100C or equivalent. This course aims to aid in acquiring and refining the acquisition of the four skills in modern Japanese: speaking, listening, reading, and writing. The emphasis is on accurate communication in Japanese. The culture of Japan will also be studied. Fall.

JPN 2201 CAH-LANG 3(3,1) Intermediate Japanese Language and Civilization II: PR: JPN 2200 or equivalent. Continuation of JPN 2200 with emphasis on Japanese civilization. Spring.

JST 3005 CAH-JUD 3(3,0) Tenets of Judaism: PR: ENC 1101 and ENC 1102. Values, practices, and beliefs that define Judaism. Occasional.

JST 3100 CAH-JUD 3(3,0) The Hebrew Bible as Literature: PR: ENC 1102. A survey of the creative expression of Hebrew civilization as found in the Hebrew Bible, and its interpretation in the Apocrypha and Pseudepigrapha, the Mishnah and the Talmud. Occasional.

JST 3120 CAH-JUD 3(3,0) Hebrew Scriptures: PR: ENC 1102, Junior standing. The Hebrew Bible (Old Testament, in translation) in historical, social, religious, cultural and literary contexts. Occasional.

JST 3121 CAH-JUD 3(3,0) Classic Texts of Judaism: PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Apocrypha, Qur'ans, commentaries, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. Occasional.


JST 3126 CAH-JUD 3(3,0) Romantic Love in the Bible: PR: ENC 1102. Junior standing. The dimensions of romantic love in the Hebrew Bible, focusing on the depiction of human feelings of love and relationship, the nature of man-woman interactions in ancient Israel. Occasional.

JST 3144 CAH-JUD 3(3,0) Dead Sea Scrolls: PR: Junior standing or C.I. The Dead Sea Scrolls, their literary and historical context, and significance. Occasional.

JST 3149 CAH-JUD 3(3,0) Judaism and Jesus: PR: ENC 1102 or C.I. Examines the implications of the "historical Jesus" and early Christianity on the Jewish people, particularly late antiquity and the Second Jewish Commonwealth. 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 3401 CAH-JUD 3(3,0) Jewish People in Antiquity: PR: ENC 1102. History and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. Fall.


JST 3417 CAH-JUD 3(3,0) Sephardi Jews: History, Culture, and Identity: PR: ENC 1102. Study of Sephardic Jews (Jews originated from Spain) as dispersed in Europe and the Middle East following the Expulsion from Spain in 1492. Even Spring.

JST 3424 CAH-JUD 3(3,0) Biblical Archaeology: PR: ENC 1102. Examines archaeological excavations in Israel and the ancient Near East to shed light on events and stories recorded in the Bible. Occasional.

JST 3450 CAH-JUD 3(3,0) Modern Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America and pre-state Israel Occasional.

JST 3481 CAH-JUD 3(3,0) 20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Solovechik, within the historical context of European immigration to the U.S. Occasional.

JST 3510 CAH-JUD 3(3,0) Notable Women in Jewish History: PR: ENC 1102 or C.I. Historical and cultural role of exceptional women in Judaism. Occasional.

JST 3514 CAH-JUD 3(3,0) Great Minds that Shaped Jewish History: PR: ENC 1101 or C.I. Great minds that shaped Jewish history from antiquity to the Modern Age will be explored. Also their philosophy and theology will be studied. Occasional.

JST 3523 CAH-JUD 3(3,0) Judaism and Islam: PR: ENC 1102. Examines the relationship (in theory and practice) between two Abrahamic faiths, Judaism and Islam, including conflicts and commonalities between them. Occasional.

JST 3550 CAH-JUD 3(3,0) Introduction of Modernism into Judaism: PR: ENC 1102 or C.I. Study of Modernism in Judaism in the 18th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). Occasional.

JST 3551 CAH-JUD 3(3,0) The Holy and the Prophetic: The Introduction of Secularism into Modern Judaism: PR: ENC 1102 or JST 3401 or JST 3402. Examines cultural, religious, and social processes from traditional Judaism to the beginning of secularism in 18th-19th century European Jewish by studying Hebrew & Jewish Enlightenment. Occasional.

JST 3600 CAH-JUD 3(3,0) Judaism and Science: PR: ENC 1102 An examination of the relationship between Judaism and modern science, including biblical, rabbinic and mystical teachings, with a focus on creation, cosmology and human life. Occasional.

JST 3620 CAH-JUD 3(3,0) Contemporary Jewish Ethics and Morality: PR: ENC 1102. Moral concerns using the resources of the classical Jewish tradition. Occasional.

JST 3701 CAH-JUD 3(3,0) History of the Holocaust: A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. Occasional.
Caribbean culture, its influence on institutions, social practices. Including leadership theories and related principles and concepts. Interdisciplinary study into the foundations of leadership for LEAD Scholars, Leadership Studies minor or certificate. Designed for LEAD Scholars:

- CAH-ENG 3102H: CAH-ENG 3102H: Leadership Experience: Capstone Experience

- CAH-ENG 4105: CAH-ENG 4105: History of the English Language

- CAH-ENG 4680: CAH-ENG 4680: Linguistics and English Literature: Pr: Grade of C (2.0) or better required in LIN 3710 or C.I. Language study as an aid to understanding literature.

- CAH-ENG 4801: CAH-ENG 4801: Language and Meaning: Pr: Grade of C (2.0) or better required in ENC 1102 or C.I. A study of language and meaning in social, civic, cultural, and professional settings.

- CAH-ENG 5137: CAH-ENG 5137: Linguistics: Pr: Graduate status or senior standing or C.I. Modern linguistics theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics.

- CAH-ENG 5675: CAH-ENG 5675: English Grammar and Usage: Pr: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammars, along with an examination of controversial usage.

- LIT 2110: LIT 2110: World Literature I: Pr: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe.

- LIT 2120: LIT 2120: World Literature II: Pr: ENC 1102. Readings from Molière, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others.

- LIT 3082: LIT 3082: 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.

- LIT 3132: LIT 3132: Legend & Literature of King Arthur: Pr: Grade of C (2.0) or better required in ENC 1102. Traces how Carian societies have achieved self-expression through documentary writing, prose fiction, and popular culture.

- LIT 3192H: LIT 3192H: 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: LIT 3202: Death and Dying: Pr: Grade of C (2.0) or better required in ENC 1102 or C.I. 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 3202H: LIT 3202H: Honors Death and Dying: Pr: ENC 1102H or equivalent credit, and consent of Honors. Explores the subject of death and grief in a variety of literary genres (fiction, memoir, non-fiction). With Honors content. Occasional.

- LIT 3206: LIT 3206: Place and Space in Literature: Pr: Grade of C (2.0) or better in ENC 1102 or C.I. An investigation of how authors develop place and space and how this creates meaning in texts. Occasional.

- LIT 3206H: LIT 3206H: Honors Place and Space in Literature: Pr: Consent of Honors. Analysis of how authors develop place and space and how this creates meaning in texts. With Honors content. Occasional.

- LIT 3212: LIT 3212: Research & Writing About Literature: Pr: Grade of C (2.0) or better in ENC 1102 or C.I. Research, writing, and critical analysis skills applicable to upper-level literature courses.

- LIT 3313: LIT 3313: Science Fiction: Pr: Grade of C (2.0) or better required in ENC 1102 or C.I. An investigation of science fiction as a literary form, together with selected readings.

- LIT 3313H: LIT 3313H: 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 3368: LIT 3368: Magical Realism in Literature: Pr: Grade of C (2.0) or better required in ENC 1102 or C.I. Magical realism in literature, including consideration of its popularity, development, and treatment in various cultural contexts.

- LIT 3381: LIT 3381: Women Writers of Color: Pr: Grade of C (2.0) or better required in 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.

- LIT 3383: LIT 3383: Women in Literature: Pr: Grade of C (2.0) or better required in ENC 1102 or C.I. 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.

- LIT 3383H: LIT 3383H: 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: LIT 3394: Literature of AIDS: Pr: Grade of C (2.0) or better required in ENC 1102 or C.I. Familiarizes students with the new genre of literature that has arisen related to AIDS. Essay, short stories, plays, poetry, diaries, and novels will be covered. Occasional.
LIT 3394H CAH-ENG 3(3,0)

LIT 3437 CAH-ENG 3(3,0)
International Environmental Justice Literature: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Literary and creative works from different genres and literary traditions addressing issues and stories related to environmental justice themes, such as toxins and land use. Occasional.

LIT 3482 CAH-ENG 3(3,0)
Literature & Popular Culture: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Analysis of media to determine popular values in the formation of popular cultural perceptions. Occasional.

LIT 3482H CAH-ENG 3(3,0)

LIT 3605 CAH-ENG 3(3,0)
Literature and War: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Varied representations of war in literature. Occasional.

LIT 3607 CAH-ENG 3(3,0)
Mad, Bad, and Dangerous: Roles and Imagery of Writers in Society: PR: English major or minor, and grade of "C" (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Representations of writers in film and texts, including multi-cultural and gendered aspects, and how these ideals, stereotypes, and cultural roles affect student writers. Occasional.

LIT 3714 CAH-ENG 3(3,0)
Literary Modernism: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Examines a specific period, a literary movement, and a set of aesthetic/formal practices applied to poetry, novels, essays, and manifestos. Occasional.

LIT 3823 CAH-ENG 3(3,0)
Hispanic Women Writers: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Hispanic women writers and their reception. Occasional.

LIT 3833 CAH-ENG 3(3,0)
Modern Asian Literature: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Asian literatures in different genres translated into English or written in English from the modern period. Various countries emphasized in different iterations. Occasional.

LIT 3835 CAH-ENG 3(3,0)
Translated Modern Chinese Novels: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Chinese novels in English translation from the modern and contemporary periods. Occasional.

LIT 3905 CAH-ENG 3(3,0)
Directed experience in Literature: PR: ENC 1102, C.I. Individualized topics of study and research in literature with personalized faculty direction. May be repeated for credit. Occasional.

LIT 3931 CAH-ENG 3(3,0)
Topics in World Literature: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Themes, modes, and genres from literature outside of the U.S. May be repeated for credit only if content is different. Occasional.

LIT 3932 CAH-ENG 3(3,0)
Topics in Popular Fiction: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Examines genres in popular fiction such as the western, romance, detective, fantasy, horror, or mystery. May be repeated for credit only if content is different. Occasional.

LIT 3933 CAH-ENG 3(3,0)
Literature and Law: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Reading, analysis, and discussion of law, crime, and punishment in literature from historical or contemporary perspectives. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 3933H CAH-ENG 3(3,0)

LIT 4034 CAH-ENG 3(3,0)
Contemporary Poetry In English: PR: Grade of "C" (2.0) or better required in ENG 3014 or C.I. Poetry written in English after the mid-twentieth century, including North American, British, Irish, and Anglophone countries. Occasional.

LIT 4043 CAH-ENG 3(3,0)
Modern Drama As Literature: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Analysis 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. Focus on the nature of colonial discourse, the structure of postcolonial rewritings, and the relationship of postcolonial theory to other theories. Occasional.

LIT 4223 CAH-ENG 3(3,0)
Postcolonial Theory and Literature: PR: Grade of "C" (2.0) or better required in ENG 3014. Study of the work 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 4233 CAH-ENG 3(3,0)
Post-World War II Fiction: PR: Grade of "C" (2.0) or better required in ENG 3014 or C.I. Study of the work 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 4374 CAH-ENG 3(3,0)
Postmodern Fiction: 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: Grade of "C" (2.0) or better in ENC 1102 or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. Fall.

LIT 4554 CAH-ENG 3(3,0)
Advanced Feminist Theories: PR: Grade of "C" (2.0) or better required in ENC 1102, WST 3015 or ENG 3014. An advanced exploration of feminist critical theories and practices. Occasional.

MAA 4226 COS-MATH 3(4,0)

MMA 4227 COS-MATH 3(3,0)
Advanced Calculus II: PR: MAA 4226 or C.I. Continuation of MAA 4226. Spring.
MAN 4209  BA-MAN  3(3,0)
Designing Dynamic Organizations; PR: Admission to the Management major. Explores how innovative organization design represents an important source of competitive advantage for organizations of all types. Fall, Spring.

MAN 4240  BA-MAN  3(0,0)
Organizations: Theory and Behavior; PR: Management major, MAN 3025. A course providing a microanalytic approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. Fall, Spring.

MAN 4320  BA-MAN  3(0,0)
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 4329  BA-MAN  3(0,0)
Business Analytics in Human Resource Management; PR: Admission to the Management major. Processes, methodologies, infrastructure, and current business practices used to transform data from many sources into useful information for human resource management and decisions. Fall, Spring.

MAN 4330  BA-MAN  3(0,0)
Compensation Administration; PR: Management major, MAN 3301. Presentation of compensation theory and current practices used in the design and administration of pay systems in large and small organizations. Fall, Odd Spring.

MAN 4350  BA-MAN  3(0,0)
Performance Management; PR: Admission to the Management major. The management of worker performance throughout the training and development activities delivered by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4441  BA-MAN  3(0,0)
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 4532  BA-MAN  3(0,0)
Introduction to Collaborative Design; PR: Senior standing. C.I. Business students will learn with engineering students to obtain hands on experience at solving real world design problems in a team based environment. Fall, Spring.

MAN 4583  BA-MAN  3(0,0)
Project Management; PR: Admission to the Integrated Business Program. Foundations of project management in assorted organizations and industries. Covers the project environment, the project manager's role, and project phases from initiation to closing. Fall, Spring.

MAN 4600  BA-MAN  3(0,0)
International Management; PR: Approved major or minor, MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4740  BA-MAN  3(0,0)
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  3(0,0)
Strategic Management; PR: Admitted to Business major, senior standing, and completion of MAN 3025, MAN 3023, FIN 3403, ECO 3411, and ACC 3173 or ACC 5313. 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 4941  BA-MAN  3(0,0)
Management Internship; PR: Management major, application approval, consent of department chair. Provides senior level students with practical experience in both management-related internships and work experience in a sponsoring organization. See department for information; application required. May be repeated for credit. Occasional.

MAP 2302  COS-MATH  3(0,0)
Ordinary Differential Equations I; PR: Grade of "C" (2.0) or better in MAC 2313, or C.I. Methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. Fall, Spring.

MAP 2302H  COS-MATH  3(0,0)
Honors Differential Equations; PR: Grade of "C" (2.0) or better in MAC 2313, and permission of Honors. Methods of solution for first order equations. Linear equations. Numerical methods; Laplace transforms. Series solutions. Selected applications. Students will complete projects. For Honors students from all disciplines. Occasional.

MAP 3482H  COS-MATH  3(0,0)

MAP 3923  COS-MATH  1(0)
Frontiers in Mathematical Research: Colombia and Public Talks; PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAP 4103  COS-MATH  3(0,0)
Mathematical Modeling I; PR: MAS 3105 or MAS 3106, and MAP 2302, or C.I. An introduction to the study of mathematical modeling. Spring.

MAP 4113  COS-MATH  3(0,0)
Probability, Random Processes and Applications; PR: MAC 2313. Elementary probability theory; modes of convergence; martingales, Gaussian, Wiener, and diffusion processes; Brownian motion; applications. Fall.

MAP 4153  COS-MATH  3(0,0)
Vector and Tensor Analysis; PR: MAS 3105 or MAS 3106, and MAP 2302, 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(0,0)
Optimization; PR: MAC 2313, and MAP 2302, and MAS 3105 or MAS 3106, or C.I. Linear programming, dynamic programming, control theory, integer programming. Occasional.

MAP 4303  COS-MATH  3(0,0)

MAP 4341  COS-MATH  3(0,0)
Introduction to Partial Differential Equations; PR: MAP 2302, and MAS 3105 or MAS 3106, or C.I. Introduction to second-order linear partial differential equations - heat, wave and Laplace equations, separation of variables in PDEs, Sturm-Liouville eigenvalue problems, Fourier series analysis and Green's functions, Laplace and Fourier transform methods. Occasional.

MAP 4342  COS-MATH  3(0,0)
Partial Differential Equations II; PR: MAS 3105 or MAS 3106, and MAP 4341. Green's Functions, Integral Transforms, Laplace and Fourier transforms applied to heat, wave and potential equations. Bessel functions, Legendre functions, Fourier-Bessel series, PDEs in higher dimensions. Spring.

MAP 4371  COS-MATH  3(0,0)
Numerical Methods for Differential Equations; PR: MAC 2313, and MAP 2302, and COP 3223C, and MAS 3105 or MAS 3106, or C.I. Numerical theory and practices used in solving ordinary differential equations and PDEs. Covers Euler's method, trapezoidal rule, Runge-Kutta, error control, finite differences, implicit and explicit schemes, iterative methods, and stability. Fall.

MAP 4384  COS-MATH  3(0,0)

MAP 4484  COS-MATH  3(0,0)
Mathematical Biology I; PR: MAP 2302, and MAS 3105 or MAS 3106, or C.I. Mathematical models of single populations, predator-prey systems, competition between species, host-parasite systems, epidemics, genetics, excitable systems. Occasional.

MAP 4494  COS-MATH  3(0,0)
Mathematical Biology II; PR: MAP 4484. Mathematics of permanence, persistence and stability of ecological communities; competition in special habitats; epidemics; immune system; optimal foraging; cancer modeling; physiological modeling; genetics; protein folding. Occasional.

MAP 4640  COS-MATH  3(0,0)
Financial Mathematics; PR: MAP 4113 or C.I. Binomial no-arbitrage pricing model, Martingales, Markov processes, capital asset pricing model, decision making, American derivative securities, random walks, interest rates, fixed-income derivatives, futures. Occasional.

MAP 4934  COS-MATH  3(0,0)
Topics in Applied Mathematics; PR: MAP 2302 and MAS 3105, or C.I. Advanced topics in applied mathematics. Selection of topics will vary. May be repeated in the degree program a maximum of 3 times. Occasional.

MAP 5117  COS-MATH  3(0,0)
Mathematical Modeling; PR: STA 4321, MAP 4303, graduate standing or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Even Fall.

MAP 5336  COS-MATH  3(0,0)

MAP 5426  COS-MATH  3(0,0)
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(0,0)
Advanced Mathematics for Engineers; PR: MAP 2302, and graduate status or senior standing or C.I. Linear Algebra and matrix methods, ordinary differential equations, Fourier series, partial differential equations, numerical methods for differential equations, and applications to engineering. Occasional.

MAP 5514  COS-MATH  3(0,0)
Linear and Nonlinear Waves I; PR: MAP 2302, and graduate standing or senior standing, or C.I. Equations of motion in inviscous and viscous fluids, energy equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves. Occasional.

MAP 5931  COS-MATH  1(0)
Research Seminar; PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to past research areas and necessary background and presenting current investigations. Different branches of mathematics will be presented for a sense of diversity. Occasional.
Marketing: PR: ACG 2021 and ECO 2013 or ECO 2031 or ECO 2033 with a grade of "C" (2.0) or better; or for non-business majors, ECO 2031 or ECO 2033 with a grade of "C" (2.0) or better. Study of how firms create and communicate value in order to build and maintain customer relationships while benefiting the organization and its stakeholders. Fall, Spring.

Supply Chain and Operations Management: PR: Completion of each course in the Business common program prerequisites with a "C" (2.0) or better. Study of the planning and management of all activities involved in processes, assets, and flows of materials and information to meet customers' needs. Fall, Spring.

Honors Supply Chain and Operations Management: PR: Completion of each course in the Business common program prerequisites with a "C" (2.0) or better. Study of the planning and management of all activities involved in processes, assets, and flows of materials and information to meet customers' needs. Fall.

Integrated Marketing Communication: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communication programs. Fall, Spring.

Professional Selling: PR: Marketing major or Marketing minor, and MAR 3023 with a grade of "B" (3.0) or better. The communication processes that form the basis of professional selling to businesses and to individuals. Focus is on applied exercises and role-play situations. Fall, Spring.

Honors Professional Selling: PR: Marketing major or Marketing minor, and MAR 3023 with a grade of "B" (3.0) or better, and consent of the Honors College. The communication processes that form the basis of professional selling to business and to individuals. Focus is on applied exercises and role-play situations. Occasional.

Sales Force Management: PR: MAR 3023 with a "B" (3.0) or better and appropriate major or minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. Occasional.


Consumer Behavior: PR: Admission to the Marketing major, individualized groups, or organizations and the processes utilized to select, secure, use, and dispose of products, services, or experiences to satisfy consumer needs and wants. Fall, Spring.

Marketing Analysis and Research Methods: PR: Marketing minor or Professional Selling minor, and MAR 3023 with a "B" (3.0) or better. Study of the analytical tools and research methods used by marketers to make more effective decisions. Fall, Spring.

Marketing Research: PR: MAR 315 with a grade of "C" (2.0) or better. The acquisition of information using various marketing research methods, as well as the application of results to marketing decision making. Fall, Spring.

Marketing Analysis: PR: Admission to the Marketing major, and a grade of "C" (2.0) or better. The study of the theory and practice of managing innovation and product design, testing, branding, and introduction of new products. Fall, Spring.

Marketing Intelligence: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better. Contemporary sources and applications of forecasting external forces impacting marketing decision making. Occasional.

Digital Media Marketing: PR: Admission to the marketing major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.

Entrepreneurial Marketing: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better, or admission to the Entrepreneurship certificate or the Entrepreneurship minor or the Technological Entrepreneurship minor. Exploration of how marketing and entrepreneurship affect and are affected by one another. Fall, Spring.

Retailing Management: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better. The field of retailing. Emphasis on planning for profitability through demand forecasting, inventory control, customer relationship management, and brand leadership. Occasional.

Strategic Issues in Sales: PR: MAR 4415C with a grade of "C" (2.0) or better. Advanced study of selected contemporary strategic issues in selling and sales management. Occasional.

Advanced Professional Selling: PR: Admission to the professional selling track in the Marketing major or to the Professional Selling minor. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. Occasional.

Strategic Sales Force Management: PR: Admission to the Marketing major or the Professional Selling minor. Study of the effective strategic management of contemporary sales forces. Emphasis on sales program formulation, implementation, and control, with a focus on strategy. Fall, Spring.

Sport Marketing: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better. Marketing as it applies to the sport and leisure industry. Occasional.

Healthcare Marketing: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better. Marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.

Entertainment Marketing: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better. Application of marketing theory and tools to the marketing of products and services in the entertainment industry. Occasional.

Marke to Management: PR: Marketing minor and MAR 3023 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.

Marketing Strategy: PR: MAR 3163 with a grade of "C" (2.0) or better. Marketing issues are explored, with emphasis on strategy formulation and integrative marketing decision making. Fall, Spring.

Product Management: PR: MAR 3613 with a grade of "C" (2.0) or better. Selection of a company and its products and the study of the theory and practice of managing innovation and product design, testing, branding, and introduction of new products. Fall, Spring.

Fundamentals of Services Marketing: PR: Admission to the Integrated Business major. Study of marketing decision making in services sectors. Primary focus is on the unique aspects of services that impact marketing decision making in small and medium-size enterprises. Occasional.

Contemporary Marketing Topics in Florida: PR: Marketing minor and MAR 3023 with a "B" (3.0) 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, tourism, real estate, hospitality, sports, gaming, etc. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.

Marketing Internship: PR: Admission to the Marketing major or minor, and application to and approval by the Department of Marketing. Provides student with supervised, market-related work experience in a sponsoring organization. Application and approval required. Fall, Spring.

Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrices, determinants, vector spaces over the reals, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, singular value decomposition. Fall, Spring.

Honors Matrix and Linear Algebra: PR: MAC 2312 and permission of Honors or C.I. Matrices, determinants, vector spaces over the reals, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, singular value decomposition. With Honors consent. Fall, Spring.

Linear Algebra: PR: MHF 3302 and MAS 3105, or C.I. Abstract vector linear transformations, isomorphisms, projections, inner products, spectral theorem, Jordan Canonical Form, quadratic forms. Fall, Spring.

Introduction to Number Theory: PR: MHF 3302 or C.I. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congruences. Spring.


Abstract Algebra II: PR: MAS 4301 or C.I. Advanced topics in abstract algebra, including ring theory and field theory, introduction to Galois theory. Spring.

Topics in Algebra: PR: MAS 3106 and MAS 4301, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the same program a maximum of 3 times. Occasional.

Advanced Linear Algebra and Matrix Theory: PR: MAS 3106 or C.I. Linear spaces, subspaces, linear transformations, matrices, eigenvalues and eigenvectors, Jordan forms, positive definite matrices, bilinear and quadratic forms, functions of matrices. Even Fall.
MHS 5092 COM-BSBS VAR(VAR,VAR)
Current Topics in Molecular Biology: PR: Graduate standing. The 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)

MGF 1106 COS-MATH 3(3,0)
Finite Mathematics: PR: Appropriate score on the UCF Placement Test or MAT 1033C with a "C" (2.0) or better, or C.I. Introduction to systematic counting, probability, geometry, statistics, sets and logic. This course is intended for students who are not planning to take upper level courses in mathematics. Fall.

MGF 1107 COS-MATH 3(3,0)
Explorations in Mathematics: The beauty and utility of mathematics, including patterns and symmetry, voting strategies and finance. Connections between math and music, art, architecture and nature. This course is intended for students not planning to take upper level mathematics. Fall, Spring.

MHS 3302 COS-MATH 3(3,0)

MHS 4404 COS-MATH 3(3,0)

MHS 4934 COS-MATH 3(3,0)
Topics in Foundations and History of Mathematics: PR: MHS 3302 and MAS 3106, or C.I. Advanced study of specialized topics in the foundations and history of mathematics, ranging from set theory and mathematical logic to the history and development of mathematical theories. May be used in the degree program a maximum of 3 times. Occasional.

MHS 2090 COM-COM 3(3,0)
Introduction to Human Services: An overview of the field of human services including roles, boundaries and ethical issues. The course orients students to the operation of human service agencies. Fall, Spring.

MHS 2330 ED-CFCS 3(3,0)
Career Planning: Introduction to career and life planning. Theory and concepts in establishing stable and satisfying couples and families, impact of divorce, premarital and couples education. Fall, Spring.

MHS 2441 ED-CFCS 3(3,0)
Couples, Families and Intimate Relationships: Dynamics of families, couples, intimate relationships, dating, courtship and challenges of establishing stable and satisfying couples and families. Fall, Spring.

MHS 3052 ED-CFCS 3(3,0)

MHS 3426 ED-CFCS 3(3,0)

MHS 5005 ED-CFCS 3(3,0)
Introduction to the Counseling Profession: PR: Counseling, SPC, or C.I. Education Professions Preparation or C.I. Overview of the philosophy, organization, administration, and roles of counselors in various work settings. Fall, Spring.

MHS 3220C COM-BSBS 3(3,3)
Techniques in Clinical Microscopy: PR: CHM 2210. Analysis of body fluids and tissue by chemical and microscopic methods with interpretation and correlation to human disease. Fall. M&S fee $70.00

MHS 3305 COM-BSBS 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-BSBS 1(0,6)
Clinical Pathology Lab: PR: MHS 3305. Practical laboratory procedures focused on analyzing hematological abnormalities. Spring.

MHS 3705 COM-BSBS 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-BSBS 3(3,0)
Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and thrombotic conditions at the time of disease and the relationship of lab tests to diagnosis. Occasional.

MHS 4430C COM-BSBS 3(3,2)
Clinical Parasitology: PR: MCB 3202, CHM 2210, PCB 3703C or C.I. Instruction and laboratory practice in the examination and study of clinical material for detection and identification of human parasites. Fall. M&S fee $46.00

MHS 4460L COM-BSBS 1(0,6)
Clinical Pathogenic Microbiology Lab: PR: Admission to the professional phase of the MLS program. CR: MCB 3203. Laboratory analysis of human pathogens from clinical samples to include bacteria and fungi. Spring. M&S fee $53.00

MHS 4505C COM-BSBS 3(2,3)
Immunodiagnostics: PR: PCB 3233 and PCB 3233L. Theory and application of immunologic principles and their utility in the diagnosis of human disease. Spring. M&S fee $70.00

MHS 4550 COM-BSBS 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 $70.00

MHS 4625 COM-BSBS 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.

MHS 4625L COM-BSBS 3(0,3)
Advanced Clinical Chem I Lab: CR: MHS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee $70.00

MHS 4630 COM-BSBS 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.

MHS 4830L COM-BSBS 4(0,8)
Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program, MHS 4625, MHS 4630. Instruction and practice of clinical chemistry laboratory procedures at an off-campus affiliated hospital/critical site. Fall.

MHS 4831L COM-BSBS 4(0,8)
Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MHS 4550, MHS 4625, MHS 4630. Instruction and practice of blood banking and transfusion medicine laboratory procedures at an off-campus affiliated hospital/critical site. Fall.

MHS 4832L COM-BSBS 4(0,8)
Interpretive & Practical Hematology: PR: Admission to the MLS program, MHS 4334. Instruction and practice of clinical hematology laboratory procedures at an off-campus affiliated hospital/critical site. Fall.

MHS 4833L COM-BSBS 4(0,8)
Diagnostic Microbiology: PR: Admission to the MLS program, MHS 4460C. Instruction and practice of clinical microbiological procedures at an off-campus affiliated hospital/critical site. Fall.

MHS 4910 COM-BSBS 1(1,0)
Introduction to Clinical Research: PR: MHS 3202, MHS 4625, MHS 4550. Introduces students to different types of research within the clinical setting. Spring.

MHS 4933 COM-BSBS 2(2,0)

MMC 2004 COS-COM 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-COM 3(3,0)
Mass Communication Law: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Legal rights and responsibilities of the mass media. Fall, Spring.

MMC 3200H COS-COM 3(3,0)

MMC 3420 COS-COM 3(3,0)
Mass Media Research Methods: PR: R-TV or Ad-PR or Journalism major; or Mass Comm. minor; or C.I. Theory and methods of research used by media professionals and academics, focusing on radio-television and advertising-public relations research. Fall, Spring.

MMC 3630 COS-COM 3(3,0)
Social Media as Mass Communication: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. Principles and practices of social media and its role in communicating to mass audiences. Occasional.

MMC 4263 COS-COM 3(3,0)
New Media Technologies: PR: Majors only, RTVF 3511. An examination of the technologies impacting the following: communications media environment and society. Occasional.

MMC 4300 COS-COM 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 4303 COS-COM 3(3,0)
Hispanics in Media in the US: PR: SPC 1603 or SPC 1603C or COM 1000, or C.I. Examines history and growth of Hispanics/Latinos in US media, including early depictions in media and current landscape of Spanish and English Hispanic/Latino Media. Fall.

MMC 4411 COS-COM 3(3,0)
Ad-PR Campaigns: PR: Ad-PR majors only; ADV 3006 and PUR 4000 and either PUR 3100 or ADV 4111, and either PUR 4941 or ADV 4941. Planning and managing communication campaigns that integrate both advertising and public relations strategies. Capstone. Fall, Spring.

MMC 4602 COS-COM 3(3,0)
Contemporary Media Issues: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of the media’s relationship with government. Occasional.
UCF Courses and Descriptions

MUS 1001C ECS-AROTC 2(1,1) Foundations of Officership: Examines the unique duties and responsibilities of officers, organization and role of the Army, reviews skills pertaining to fitness and communication, and analyze Army values and expected behavior. May be repeated for credit. Fall.

MUS 1002C ECS-AROTC 2(1,1) Basic Leadership: Presents fundamental leadership concepts and doctrine; practice basic skills that underlie effective problem solving; examine the officer experience. Spring.

MUS 2101C ECS-AROTC 2(1,1) Individual Leadership Studies: Develops knowledge of self, self-confidence, and leadership skills; develops personal problem solving and critical thinking skills; apply communication, feedback, and conflict resolution skills. Fall.

MUS 2102C ECS-AROTC 2(1,1) Leadership and Teamwork: Focuses on self-development guided by knowledge of self and group processes; challenges current beliefs, knowledge and skills. Spring.

MUS 3201C ECS-AROTC 4(3,1) Leadership and Problem Solving: PR: Junior standing. Examines skills that underlie effective problem solving; analyzes military missions and plan military operations; and employ leadership techniques. Fall.

MUS 3202C ECS-AROTC 4(3,1) Leadership and Ethics: PR: MUS 3201C. Probes leadership responsibilities that foster an ethical command climate; develops cadre leadership competencies; applies principles and techniques of effective written and oral communication. Spring.

MUS 3401C ECS-AROTC 4(3,1) Leadership and Management: PR: MUS 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.

MUS 4020C ECS-AROTC 4(3,1) Officership: PR: MUS 4030C. Capstone course to explore topics relevant to second lieutenants entering the Army; describes legal aspects of decision making and leadership; and analyzes Army organization from tactical to strategic level. Spring.

MTG 4212 COS-MATH 4(4,0) Modern Geometries: PR: MAC 2311 and MTH 3302. Sums of axioms and finite geometries, groups of transformations, Euclidean motions of 2-space and 3-space, convexity in 2-space and 3-space, Euclidean geometry of polygon and circle, constructible numbers, constructions and non-Euclidean geometry. Fall.

MTG 4254 COS-MATH 3(3,0) Introduction to Differential Geometry: PR: MAC 2313 and MAS 3106, or C.I. Topics include curves and surfaces, differential manifolds, tangent space, differentials, curvature and torsion tensors, connections, covariant differentiation, lie derivative, integration on manifolds, and Riemannian manifolds. Occasional.

MTG 4302 COS-MATH 3(3,0) Introduction to Topology: PR: MTH 3302 and MAS 3106 or C.I. Metric spaces, topological spaces, limit points, continuity, compactness, and connectedness. Spring.

MTG 4934 COS-MATH 3(3,0) Topics in Topology and Geometry: PR: MAS 3106 or C.I. Advanced topics in geometry and topology. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MTG 5253 COS-MATH 3(3,0) Introduction to Differential Geometry: PR: MAC 2313, or C.I. Curves and surfaces in 2D and 3D, covariant derivative of a vector field, geodesics, Gau
des-Bonnet Theorem. Fall.

MTG 5256 COS-MATH 3(3,0) Differential Geometry: PR: MAA 4227, graduate status or senior standing, or C.I. Differentiable manifolds, tangent space and tangent bundle, flows and vector fields, Lie derivatives, cotangent space and cotangent bundles, Riemann metrics, connections and geodesics, applications in classical mechanics. Occasional.

MUC 1101C CAH-MUSIC 2(1,1) Composition I: PR: MUC 1102 and MUL 2014 each with a grade of "C" (2.0) or better or C.I. Creative work in small forms. May be repeated for credit. Fall,Spring.

MUC 2104C CAH-MUSIC 2(1,1) Composition II: PR: MUC 1101C and Music or composition major. Continuation of Composition I. Competence determined by faculty jury. May be repeated for credit. Fall,Spring.

MUC 3105C CAH-MUSIC 3(1,1) Composition III: PR: MUC 2104C and competence determined by faculty jury. Continued study of composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

MUC 4106C CAH-MUSIC 4(1,1) Composition IV: PR: MUC 3105C and competence determined by faculty jury. Intensive advanced study of composition for composition majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

MUC 4950 CAH-MUSIC 0(0,0) Composition Recital: CR: MUC 4106C. Culminating public concert of works written while studying Composition I-IV. Graded S/U. Odd Fall.

MUC 5112 CAH-MUSIC 2(1,0) Composition V: PR: Graduate standing in music education or C.I. Advanced music composition at the graduate level. May be used in the degree program a maximum of 4 times. Occasional.

MUE 2040 CAH-MUSIC 2(2,0) Introduction to Music Education: An introduction to music education covering history, theory, and current practice and observations. Examination in schools required. Fall.

MUE 2211 ED-CFCS 3(3,0) Early Childhood Music and Movement: An examination of the role of music and creative movement in the lives of young children. Occasional.

MUE 2346 CAH-MUSIC 1(0,2) Vocal Techniques: PR: Music major or C.I. Vocal function, and correct application of today's pedagogical methodology with applications for K-12 teaching. Odd Spring.

MUE 2440 CAH-MUSIC 1(0,2) String Techniques: PR: MUE 2450 and junior standing or C.I. Class instruction in string playing and pedagogical techniques. Spring. M&S fee $30.00

MUE 2450 CAH-MUSIC 1(0,2) Woodwind Techniques I: PR: MUE 2450 and C.I. Major instruction in woodwind playing and pedagogical techniques. Fall.

MUE 2460 CAH-MUSIC 1(0,2) Brass Techniques: PR: MUE 2460 and junior standing or C.I. Major instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.

MUE 2470 CAH-MUSIC 1(0,2) Percussion Techniques I: PR: MUE 2450 and C.I. Major instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring. M&S fee $35.00

MUE 2471 CAH-MUSIC 1(1,1) Percussion Techniques II: PR: MUE 2470 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today’s music teachers. Odd Spring. $35.00

MUE 3333 CAH-MUSIC 3(3,0) Music Learning Theory and Assessment: PR: Admission to BME Professional Program. Learning theory and practical applications of assessment techniques as applied in the music classroom. Fall.


MUE 3451 CAH-MUSIC 1(1.0) Woodwind Techniques II: PR: MUE 2450. MUED major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUE 3461 CAH-MUSIC 1(1.1) Brass Techniques II: PR: MUE 2450. Continual study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. Odd Spring.

MUE 3693 CAH-MUSIC 2(2.0) Technology in Music Education: PR: MUE 2404 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring.

MUE 3942 CAH-MUSIC 3(3.0) Music Internship I: PR: MUE 4311, MUE 3333, EDG 4410, TLS 4080, EDF 4603 and RED 4043. Students experience various roles of a music teacher in elementary and secondary settings, including observation, micro-teaching, and the completion of various assignments. Graded S/U. Fall,Spring.

MUE 4311 CAH-MUSIC 2(2.0) Elementary School Music Methods: PR: Junior standing, MUED major. Organization and administration of instruction for comprehensive music education, K-6; instructional planning, techniques, and materials for elementary music education. Fall.

MUE 4331 CAH-MUSIC 3(3.0) Secondary Choral Methods I: PR: Admission to BME Professional Program. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Fall.

MUE 4332 CAH-MUSIC 3(3.0) Secondary Instrumental Methods I: PR: Junior Standing or C.I. Consideration of the general education and secondary areas in regards to students with disabilities and special needs. Odd Fall.

MUE 4333 CAH-MUSIC 3(3.0) Secondary Choral Methods II: PR: MUE 4331 with a grade of "C" (2.0) or better. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4335 CAH-MUSIC 3(3.0) Secondary Instrumental Methods II: PR: MUE 4332 with grade of "C" (2.0) or better. Wind and percussion teaching methods for beginning and middle level students in a large classroom setting. Fall.

MUE 4337 CAH-MUSIC 3(3.0) Secondary Instrumental Methods III: PR: MUE 4332 with a grade of "C" (2.0) or better. Wind and percussion teaching methods for high school students in a large classroom setting. Odd Spring.


MUE 4393 CAH-MUSIC 2(2.0) Music and Students with Special Needs: PR: MUE 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.

MUE 4441 CAH-MUSIC 3(3.0) String Methods: PR: MUE 4332. String teaching methods for high school students in a large classroom setting. Odd Spring.

MUE 4791 CAH-MUSIC 0(0.0) BME ePortfolio: PR: MUE 3742 Music Internship I; CR: MUE 4943 Music Internship II. Required electronic portfolio for all Bachelor of Music Education majors to be taken in conjunction with MUE 4943 Music Internship II. Fall,Spring.

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MUE 4943 CAH-MUSIC 12(12,0) Music Internship II: PR: MUE 3942. Student Teaching in an elementary or secondary school under supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

MUE 5348C CAH-MUSIC 4(4,0) K-12 Music Methods: PR: Graduate standing in Music Education or C.I. Organization and administration of instruction for comprehensive music education, K-12. Instructional planning, techniques, and materials for general, choral, and instrumental music education. Spring.

MUE 5921 CAH-MUSIC 2(2,0) Music Education Workshop: PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

MUG 3104 CAH-MUSIC 2(1,1) Basic Conducting: PR: MUG 1122 or C.I. Fundamental techniques and practice in conducting. Fall.


MUH 2017 CAH-MUSIC 3(3,0) Survey of Rock Music: Rise of rock music to prominence, and its impact on audience reception. No musical background required. Fall, Spring.

MUH 2017H CAH-MUSIC 3(3,0) Honors Survey of Rock Music: PR: Consent of Honors. Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors consent Even Fall.

MUH 2019 CAH-MUSIC 3(3,0) American Popular Music, 1840s-present: Musical and cultural development of popular music in the United States from the 1840s to the present. Fall, Spring.


MUH 3211 CAH-MUSIC 3(3,0) Music History and Literature I: PR: MUH 3635 and MUH 3212 with grade of "C" (2.0) or better. History of Western European art music from Antiquity to 1800. Fall, Spring.

MUH 3212 CAH-MUSIC 3(3,0) Music History and Literature II: PR: MUH 3211 with grade of "C" (2.0) or better. History of Western European art music from 1800 to present day Fall, Spring.

MUH 3635 CAH-MUSIC 3(3,0) Music in the United States: PR: MUL 2720 and MUH 3212 with grade of "C" (2.0) or better. Music of the United States of America from pre-Revolutionary times to present. Includes vernacular, jazz, popular, and art music traditions indigenous to the USA. Fall, Spring.

MUH 4322 CAH-MUSIC 3(3,0) Medieval and Renaissance Music: PR: MUH 3211 and MUH 3212 with grade of "C" (2.0) or better. Music and culture of Western Europe in the era c. 450-1600. Even Fall.

MUH 4341 CAH-MUSIC 3(3,0) Music of the Baroque: PR: MUH 3211 and MUH 3212 with grade of "C" (2.0) or better. Music and culture of the Baroque period, 1600-1750. Occasional.

MUH 4351 CAH-MUSIC 3(3,0) Eighteenth-Century Music: PR: MUH 3211 and MUH 3212 with grade of "C" (2.0) or better. Music and culture of Western Europe in the era c. 1700-1830. Even Fall.
MUL 5937 CAH-MUSIC 3(3,0)
Band Literature: PR: Admission to the graduate program in Music, graduate standing or C.I. Survey of materials for use in the public school band classroom, including beginning band methods, technique books, and musical selections appropriate for concert performance. Occasional.

MUL 5325 CAH-MUSIC 1(0,3)
Women’s Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women’s voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 3386L CAH-MUSIC 1(0,3)
Graduate Chamber Singers: PR: Graduate standing in Music Education and C.I. A select, mixed choir that explores music appropriate to a small, advanced ensemble and performs in the Orlando area each semester. May be used in the degree program a maximum of 4 times. Fall, Spring. M&S fee $20.00

MUN 5385L CAH-MUSIC 1(0,3)
Graduate University Chorus: PR: Graduate standing in Music Education and C.I. Study and performance of performance of music for large ensemble music. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00

MUN 5445 CAH-MUSIC 1(0,2)
Percussion Ensemble: PR: Open to all graduate students by audition. Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $35.00

MUN 5465L CAH-MUSIC 1(0,2)
Graduate Chamber Music: PR: Graduate standing in Music Education and C.I. The study and performance of vocal or instrumental literature. Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $5.00

MUN 5715L CAH-MUSIC 1(0,4)
Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee $20.00

MUN 5716L CAH-MUSIC 1(0,2)
Jazz Chamber Group: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz small group music. May be used in the degree program a maximum of 4 times. Fall, Spring. M&S fee $20.00

MUS 1010 CAH-MUSIC 1(0,9)
Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. Fall, Spring.

MUS 1250 CAH-MUSIC 1(2,0)
IPA: PR: Singer: PR: Music major or C.I. The International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. Odd Fall.

MUS 5798M CAH-MUSIC 1(0,3)

MUS 5806 CAH-MUSIC 3(3,0)
Performing Arts Management: PR: Graduate standing 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.
MUS 2360C CAH-MUSIC 3(2,2) Introduction to Music Technology: PR: Music major or C.I. Utilization of computers and keyboards to acquire skills in MIDI sequencing, notation, CDs, and the Internet. Fall, Spring.

MUS 3254 CAH-MUSIC 2(2,0) Italian and French Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the Italian and French languages. Odd Spring.

MUS 3255 CAH-MUSIC 2(2,0) German and English Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.

MUS 3953 CAH-MUSIC 0(1,0) Recital Performance I: PR: Senior level Applied Music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 4320 CAH-MUSIC 3(3,0) Music Business and Industry: PR: Music major; Music minor or Entertainment Management major, with a grade of "A" (2.0) or better in MUL 2310 or MUL 2720. Today’s music industry copyright, publishing, contracts and licensing. Fall.


MUS 4900 CAH-MUSIC 3(3,0) Music BA Capstone Project: PR: C.I. Self-designed project, completed under faculty supervision, that demonstrates ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded S/U. Occasional.

MUS 4905 CAH-MUSIC 1-4(1-4) Directed Experience: PR: C.I. and Junior standing. Special topics of study and/or research as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUS 5356 CAH-MUSIC 3(3,0) Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD-ROM, and the high-tech music classroom. Occasional.

MUS 5677 CAH-MUSIC 3(3,0) Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. Occasional.

MUT 1004 CAH-MUSIC 3(3,0) Fundamentals of Music I: Basic music theory and reading music. Fall.

MUT 1121 CAH-MUSIC 4(2,3) Music Theory and Musicianship I: PR: MUT 1004 or C.I. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 1122 CAH-MUSIC 4(2,3) Music Theory and Musicianship II: PR: MUT 1121 with a grade of "C" (2.0) or better. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Even Spring.

MUT 2127 CAH-MUSIC 4(2,3) Music Theory and Musicianship IV: PR: MUT 2126 with a grade of "C" (2.0) or better. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 3170 CAH-MUSIC 3(3,0) Jazz Theory I: PR: MUT 1122 with a grade of "C" (2.0) or better. Continuation of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUT 3171 CAH-MUSIC 3(3,0) Jazz Theory II: PR: MUT 3170 with a grade of "C" (2.0) or better. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUT 3923 CAH-MUSIC 3(0,3) Jazz Workshop: PR: MUT 3171 or C.I. Comprehensive musicianship in jazz studies. Improvisation, repertorio, leadership and collaboration, studied in the context of a jazz group. May be repeated up to four times. Fall, Spring Fall, Spring.

MUT 4031 CAH-MUSIC 1(1,0) Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.

MUT 4311 CAH-MUSIC 3(3,0) Orchestration: PR: MUS 2360C and MUT 2127 with a grade of "C" (2.0) or better. Technical and aesthetic principles of writing for instruments of the concert orchestra. Odd Spring.

MUT 4401 CAH-MUSIC 3(3,0) Counterpoint: PR: MUT 2127 with a grade of "C" (2.0) or better. 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 I: PR: MUT 2127 with a grade of "C" (2.0) or better. Techniques of analysis for various styles of twentieth-century music. Odd Fall.

MUT 5316 CAH-MUSIC 3(3,0) Orchestration: PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and wind ensembles and how to write for these instruments in combination. Odd Spring.

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. Occasional.

MUT 5445 CAH-MUSIC 3(3,0) Counterpoint: PR: Graduate standing in Music or C.I. Principles of counterpoint and the study of contrapuntal styles in Western music from the 16th century to the present day. Even Spring.

MUT 5620 CAH-MUSIC 3(3,0) Analysis of Twentieth Century Music: PR: Graduate standing in Music or C.I. Analysis of music in a selection of the different styles practiced in the 20th century, with an emphasis on Western art music. 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 Euphonium: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in euphonium. 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) Euphonium I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1) Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 2421 CAH-MUSIC 2(1,1) Trombone III: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC 2(1,1) French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC 2(1,1) Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.

MVB 2424 CAH-MUSIC 2(1,1) Euphonium II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

MVB 2425 CAH-MUSIC 2(1,1) Tuba 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(1,1) 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(1,1) French Horn III: PR: MVB 2422 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3433 CAH-MUSIC 2-3(1,1) Trombone III: PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3434 CAH-MUSIC 2-3(1,1) Euphonium III: PR: MVB 2424 and competence determined by faculty jury. Continued study of performance skills of the euphonium, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
Jazz
PR: Jazz Piano I:
Tuba
Trombone
Trumpet V:
MVB 5451
Euphonium
Trombone IV:
French Horn IV:
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 4445 CAH-MUSIC 4(1,1)
Tuba IV: PR: MVB 3435 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
MVB 5451 CAH-MUSIC 2(1,0)
Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.
MVB 5452 CAH-MUSIC 2(1,0)
French Horn V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.
MVB 5453 CAH-MUSIC 2(1,0)
Trombone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.
MVB 5454 CAH-MUSIC 2(1,0)
Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.
MVB 5455 CAH-MUSIC 2(1,0)
Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.
MVJ 1010 CAH-MUSIC 2(1,1)
Jazz Piano I: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.
MVJ 1213 CAH-MUSIC 2(1,1)
Jazz Guitar I: PR: Music major or C.I. 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. Scale studies, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.
MVJ 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 3239 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(1,0)
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 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 with grade of "C" (2.0) or better 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)
Secondary Piano I: PR: Consent of Music Chair, C.I.: Performing ensemble. Advanced instruction in piano. Intended for non-music majors. May be repeated for credit. Fall, Spring.
MVK 1411 CAH-MUSIC 2(1,1)
Piano I: PR: Major in music or consent of chaurperson; audition. May be repeated for credit. Fall, Spring.
MVK 2121 CAH-MUSIC 1(0,2)
Class Piano III: PR: MVK 1112 with grade of "C" (2.0) or better or C.I. Continuation of MVK 1112. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.
MVK 2212 CAH-MUSIC 1(0,2)
Class Piano IV: PR: MVK 2121 with grade of "C" (2.0) or better 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 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall, Spring.
MVK 3431 CAH-MUSIC 2(3,1)
Piano III: PR: MVK 2421 and competence determined by faculty jury. Continued study of performance skills of the piano, with additional intensive work expected 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 3431 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 2(2,0)
Piano Pedagogy I: PR: MVK 1411 or C.I. Methods, materials for teaching individuals and classes of children and adults beginning to intermediate levels; demonstration and observation of procedures. May be used in the degree program a maximum of 2 times. Even Fall.
MVK 5451 CAH-MUSIC 2(1,0)
Piano: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.
MVK 5650 CAH-MUSIC 2(2,0)
Piano Pedagogy II: PR: MVK 1411 or C.I. Methods, techniques, and experiences of former and current pedagogues to equip students for current or future piano teaching. Even Spring.
MVK 3250 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.
MVS 1211  CAH-MUSIC  (1,0)
Secondary Percussion: PR: Consent of Music Chair, CR: Performing ensemble. Advanced instruction in percussion. Intended for non-music majors. May be repeated for credit. Occasional. M&S fee $35.00

MVP 1211  CAH-MUSIC  (2,1)
Percussion I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring. M&S fee $35.00

MVP 2421  CAH-MUSIC  (2,1)
Percussion II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall,Spring.

MVS 3431  CAH-MUSIC  (2-3,1)
Percussion III: PR: MVS 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. May be repeated for credit.

MVP 3630  CAH-MUSIC  (2,0)
Percussion Pedagogy: PR: Music major, C.I. Teaching methods and materials for percussion students and groups. Fall,Spring.

MVS 1211  CAH-MUSIC  (1,0)
Secondary Violin: PR: Consent of Music Chair, CR: Performing ensemble. Advanced instruction in violin. Intended for non-music majors. May be repeated for credit. Fall,Spring.

MVS 1212  CAH-MUSIC  (1,0)

MVS 1213  CAH-MUSIC  (1,0)
Secondary Cello: PR: Consent of Music Chair; CR: Performing ensemble. Advanced instruction in cello. Intended for non-music majors. May be repeated for credit. Fall,Spring.

MVS 1214  CAH-MUSIC  (1,0)
Secondary Bass: PR: Consent of Music Chair; CR: Performing ensemble. Advanced instruction in bass. Intended for non-music majors. May be repeated for credit. Fall,Spring.

MVS 1216  CAH-MUSIC  (1,0)
Secondary Guitar: PR: Consent of Music Chair; CR: Performing ensemble. Advanced instruction in guitar. Intended for non-music majors. May be repeated for credit. Fall,Spring.

MVS 1411  CAH-MUSIC  (2,1)
Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVS 1412  CAH-MUSIC  (2,1)
Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVS 1413  CAH-MUSIC  (2,1)
Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVS 1414  CAH-MUSIC  (2,1)
Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVS 1415  CAH-MUSIC  (2,1)
Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVS 1416  CAH-MUSIC  (2,1)
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVS 2421  CAH-MUSIC  (2,1)
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)
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)
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)
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)
Harp II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall,Spring.

MVS 2426  CAH-MUSIC  (2,1)
Guitar II: PR: MVS 1416 and competence determined by faculty jury. Continuation of MVS 1416. May be repeated for credit. Fall,Spring.

MVS 3431  CAH-MUSIC  (2-3,1)
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)
Violin IV: 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 string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

MVS 3435  CAH-MUSIC  (2,1)
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 4346  CAH-MUSIC  (4,1)
Guitar IV: PR: MVS 3436 and competence determined by faculty jury. Intensive advanced performance study of the guitar, for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

MVS 4441  CAH-MUSIC  (4,1)
Violin IV: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

MVS 4442  CAH-MUSIC  (4,1)
Violin IV: PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

MVS 4443  CAH-MUSIC  (4,1)
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)
Bass IV: PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the string bass, for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

MVS 4445  CAH-MUSIC  (4,1)
Harpsichord: PR: MVS 3435 and competence determined by faculty jury. Intensive advanced performance study of the harp, for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

MVS 5451  CAH-MUSIC  (2,0)
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVS 5452  CAH-MUSIC  (2,0)
Voice II: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall,Spring.

MVS 5453  CAH-MUSIC  (2,0)
Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall,Spring.

MVS 5454  CAH-MUSIC  (2,0)
Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall,Spring.

MVS 5455  CAH-MUSIC  (2,0)
Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall,Spring.

MVS 5456  CAH-MUSIC  (2,0)
Guitar V: PR: Graduate status or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall,Spring.

MVV 1411  CAH-MUSIC  (2,1)
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVV 1873  CAH-MUSIC  (1,0)
Secondary Voice: PR: Consent of Music Chair; CR: Performing ensemble. Advanced instruction in voice. Intended for non-music majors. May be repeated for credit. Fall,Spring.

MVV 2421  CAH-MUSIC  (2,1)
Voice II: PR: MVV 1411 and competence determined by faculty jury. CR: MUS 1250. Continuation of MVV 1411. Major in music or consent of chair; audition. Private and class lessons. May be repeated for credit 2 times. Fall,Spring.

MVV 3431  CAH-MUSIC  (2-3,1)
Voice III: PR: MVV 2421 and competence determined by faculty jury. Continuation 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.

MVV 4441  CAH-MUSIC  (4,1)
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.

MVV 4460  CAH-MUSIC  (2,0)
Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.

MVV 5451  CAH-MUSIC  (2,0)
Voice V: PR: Graduate standing or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall,Spring.
MVW 5651 CAH-MUSIC 2(3,0) Voice Pedagogy: PR: Graduate standing in Music or C.I. Vocal function, anatomy, and pedagogical method. CR: NGR 5651. Consent of the voice teacher and performer. Odd Spring.

MVW 1211 CAH-MUSIC 1(0,1) Secondary Flute: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in flute. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVW 1212 CAH-MUSIC 1(0,1) Secondary Oboe: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in oboe. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVW 1213 CAH-MUSIC 1(0,1) Secondary Clarinet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in clarinet. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVV 1214 CAH-MUSIC 1(0,1) Secondary Bassoon: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bassoon. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVW 1215 CAH-MUSIC 1(0,1) Secondary Saxophone: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in saxophone. Intended for non-music majors. 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.

MVW 1415 CAH-MUSIC 2(1,1) Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 2421 CAH-MUSIC 2(1,1) Flute II: PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit. Fall, Spring.

MVW 2422 CAH-MUSIC 2(1,1) Oboe II: PR: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit. Fall, Spring.

MVW 2423 CAH-MUSIC 2(1,1) Clarinet II: PR: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit. Fall, Spring.

MVW 2424 CAH-MUSIC 2(1,1) Bassoon II: PR: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit. Fall, Spring.

MVW 2425 CAH-MUSIC 2(1,1) Saxophone II: PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit. Fall, Spring.

MVW 3431 CAH-MUSIC 2(3,0) Flute III: PR: MVW 2421 and competence determined by faculty jury. Continuation of performance skills of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3432 CAH-MUSIC 2(3,1) Oboe III: PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3433 CAH-MUSIC 2(3,1) Clarinet III: PR: MVW 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3434 CAH-MUSIC 2(3,1) Bassoon III: PR: MVW 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3435 CAH-MUSIC 2(3,1) Saxophone III: PR: MVW 2425 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4441 CAH-MUSIC 4(1,1) Flute IV: PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4442 CAH-MUSIC 4(1,1) Oboe IV: PR: MVW 3432 and competence determined by faculty jury. Intensive advanced performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4443 CAH-MUSIC 4(1,1) Clarinet IV: PR: MVW 3433 and competence determined by faculty jury. Intensive performance study of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4444 CAH-MUSIC 4(1,1) Bassoon IV: PR: MVW 3434 and competence determined by faculty jury. Intensive advanced performance study of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4445 CAH-MUSIC 4(1,1) Saxophone IV: PR: MVW 3435 and competence determined by faculty jury. Intensive advanced performance study of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 5451 CAH-MUSIC 2(1,0) Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5452 CAH-MUSIC 2(1,0) Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5453 CAH-MUSIC 2(1,0) Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5454 CAH-MUSIC 2(1,0) 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 2003. Admission to the M.S. in Nursing or Doctor of Nursing Practice program tracks or C.I. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan. May be used in the degree program a maximum of two times. Fall, Spring. M&S fee $45.00

NGR 5090 CON-NURS 3(0,0) 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(0,0) Pathophysiological Bases for Advanced Nursing Practice: PR: Admission to M.S. in Nursing or Doctor of Nursing Practice program or C.I. Critical examination of the physiological and pathophysiological mechanisms affecting individuals. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5190 CON-NURS 3(0,0) Core Clinical Concepts for Nurse Educators: PR: Admission to the Graduate Nursing Program or C.I. NGR 5141 or equivalent. Integrate concepts of Pharmacology and Health Assessment. Provides the foundation for Advanced Nursing Practice within the Nurse Educator role. Fall, Spring.

NGR 5638 CON-NURS 3(0,0) Health Promotion: PR: Admission to M. S. in Nursing or Doctor of Nursing Practice or C.I. Exploration and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5660 CON-NURS 3(0,0) Health Disparities: Issues and Strategies: PR: Graduate standing; Explores disparities in access, utilization, services, outcomes, and health care systems. Difference among and within the U.S. populations: data, research, programmatic issues, and strategies to close the gaps. May be used in the degree program a maximum of 2 times. Occasional.

NGR 5690 CON-NURS 3(0,0) 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. May be used in the degree program a maximum of 2 times. Fall.

NGR 5720 CON-NURS 3(0,0) Organizational Dynamics: PR: Baccalaureate degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. May be used in the degree program a maximum of 2 times. Fall.

NGR 5800 CON-NURS 3(0,0) Theory for Advanced Practice Nursing: PR: Baccalaureate degree in Nursing or C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5871 CON-NURS 3(0,0) Health Care Informatics: PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. May be used in the degree program a maximum of 2 times. Fall.

NGR 5884 CON-NURS 3(0,0) Legal and Professional Behavior in Advanced Practice Nursing: PR: Graduate standing and admission to the M.S. in Nursing or Doctor of Nursing Practice program. Examination of legal, ethical, cultural, and political issues related to professional advanced practice nursing. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5894C CON-NURS 3(2,1) International Perspectives of Global Health: PR: Graduate standing or C.I. An analysis of global health in comparison with that of USA and other nation’s health care systems. Occasional.

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NUR 1800 CON-NURS 3(3,0)
Nursing as a Profession: Professional nursing roles and responsibilities; nursing care covering a range of topics using discourse methodology that forms a foundation for nursing and health care. Fall, Spring.

NUR 4335 CON-NURS 3(3,0)
Nursing Care of the High-Risk Newborn: PR: Admission to BSN program; successful completion of NUR 3445, or C.I. for RN-BSN students. In-depth study of pathophysiology, management and nursing care of high-risk newborn, emphasizing care of the neonate and factors related to the health outcomes related to morbidity and mortality. Occasional.

NUR 4425 CON-NURS 3(3,0)
Women’s Health Issues: PR: Junior standing or C.I. Factors and conditions impacting the health of women. May be repeated for credit. Occasional.

NUR 4495 CON-NURS 3(3,0)
Emergency Department Nursing: PR: Completion of the pharmacology and pathophysiology components of the student’s current nursing program curriculum, and NUR 3225 or RN License/Eligibility or C.I. An overview of Emergency Department Nursing. Topics include the principles of nursing sciences, economics, nursing care and management of emergent physiologic conditions in the emergency department setting. Occasional.

NUR 4550 CON-NURS 3(3,0)
Family and Interpersonal Violence: PR: Admission to BSN Program or 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 4685 CON-NURS 3(3,0)
Death & Dying: Death Considerations: PR: Admission to BSN Program 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 4695 CON-NURS 3(3,0)
Forensic Nursing Principles and Practice: PR: Admission to BSN 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 3028 CON-NURS 3(3,0)
Essentials of Nursing Practice: PR: Admission to BSN program. CR: NUR 3028L; NUR 3065 and NUR 3065L. 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, Spring.

NUR 3028L CON-NURS 1(0,2)
Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3028; NUR 3065 and NUR 3065L. Lab to learn and apply scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. Fall, Spring. M&S fee $30.00.

NUR 3065 CON-NURS 2(2,0)
Health Assessment: PR: or CR: NUR 3065L and Admission to BSN program, or C.I. Concepts of health assessment of clients. Fall, Spring.

NUR 3065L CON-NURS 1(0,1)
Health Assessment Lab: CR: NUR 3065 and Admission to BSN program, or C.I. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring. M&S fee $16.00.

NUR 3125 CON-NURS 3(3,0)
Pathophysiology for Nursing Practice: PR: Admission to BSN program. Concepts and nursing care applications of the pathophysiological basis of illness. Fall, Spring.

NUR 3145 CON-NURS 3(3,0)
Pharmacology for Nursing Practice: PR: Admission to BSN program. CR: NUR 3225 and NUR 3225L. Principles of pharmacology and application to nursing practice. Fall, Spring.

NUR 3165 CON-NURS 3(3,0)
Nursing Research: PR: Admission to BSN program and successful completion of first semester or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. Fall, Spring.

NUR 3165H CON-NURS 3(3,0)
Honors Nursing Research: PR: Permission of Honors. Admission to BSN program and successful completion of first semester or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. With Honors content. Occasional.

NUR 3167 CON-NURS 1(2,0)
Accelerated Nursing Research Seminar: PR: Admission to BSN program; previous undergraduate or graduate research course with approval from the CON; or C.I. Accelerated study of multiple approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. Spring.

NUR 3225 CON-NURS 3(3,0)
Nursing Care of the Adult I: PR: Admission to BSN program; successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3145; NUR 3445; NUR 3445L. Integrate biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall, Spring.

NUR 3225L CON-NURS 2(0,6)
Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program; successful completion of all courses in the nursing curriculum and concurrent enrollment in NUR 3225; 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, Spring. M&S fee $40.00.

NUR 3445 CON-NURS 4(0,4)
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 3145; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and childbearing families. Fall, Spring.

NUR 3445L CON-NURS 2(0,6)
Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3145; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and childbearing families. Graded S/U. Fall, Spring. M&S fee $20.00.

NUR 3616 CON-NURS 2(2,0)
Health Promotion Across the Lifespan: PR: Admission to BSN program and CR: NUR 3616L. The concepts of health promotion and prevention for individuals and families living in the community across the lifespan. Fall, Spring.

NUR 3616L CON-NURS 1(1,0)
Health Promotion Across the Lifespan Clinical: PR: Admission to BSN program and CR: NUR 3616L. Clinical concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall, Spring.

NUR 3634 CON-NURS 3(3,0)
Community Health Nursing: PR: Admission to BSN program. CR: NUR 3634L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Occasional.

NUR 3634L CON-NURS 2(0,6)

NUR 3755L CON-NURS 2(0,6)

NUR 3795 CON-NURS 3(3,0)
Principles of Oncology Nursing: PR: Admission to BSN program or C.I. Basic principles and concepts in oncology. Focus on cancer as it affects individuals and families. Emphasis on cancer treatment, symptom management and psychosocial response. Occasional.

NUR 3805 CON-NURS 3(3,0)
Dimensions of Professional Nursing Practice: PR: Admission to BSN program or C.I. Theoretical bases of professional nursing practice for RN to BSN students. Fall, Spring.

NUR 3806 CON-NURS 1(1,0)
Professional Reorientation Seminar: PR: Admission to BSN program or C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. Fall, Spring.

NUR 3816 CON-NURS 1(1,0)
International Nurse Scholar Seminar: PR: Admission to the BSN program. CR: NUR 3225. The role and function of the professional nurse including professional standards, ethics, and legal and practice issues. Fall, Spring.

NUR 3825 CON-NURS 2(2,0)
The Role of the Professional Nurse: PR: Admission to BSN program. Examination of the role and function of the professional nurse, including professional standards, legal, and practice issues. Occasional.

NUR 3825H CON-NURS 2(2,0)
Honors The Role of the Professional Nurse: PR: Admission to BSN program. Permission of Honors. Role and function of the professional nurse, including professional standards, legal, and practice issues with honors content. Occasional.

NUR 3826 CON-NURS 3(3,0)

NUR 3826H CON-NURS 3(3,0)

NUR 3936 CON-NURS 3(2,2)
International Perspectives of Nursing and Health Care: PR: Admission to BSN program or C.I. Comparative analysis of professional nursing practice and health care systems in the United States and selected countries. May be repeated for credit. Occasional.

NUR 4177 CON-NURS 3(3,0)
Holistic Nursing: PR: Admission to BSN program or C.I. Explore lived experience of health-wellness, illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4178 CON-NURS 3(3,0)
Complementary Therapies: Options for Integrative Nursing Practice: PR: Junior or senior undergraduate standing in nursing, or C.I. History, principles, techniques, outcomes, and research of complementary and integrative health. Concepts of wellness, healing and integrative practice from nursing and consumer perspectives. Occasional.

NUR 4197 CON-NURS 3(3,0)
Genetics and Genomics in Nursing Practice: PR: Admission to BSN program or C.I. The application of genetics and genomic principles to clinical nursing practice. Occasional.

NUR 4368 CON-NURS 3(3,0)
NUR 4227 CON-NURS 3(0,3) Nursing Care of the Adult II: Clinical Practicum: PR: Admission to BSN program; successful completion of the first three semesters in the nursing curriculum. CR: NUR 4227L, or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Fall, Spring.

NUR 4257 CON-NURS 3(0,3) Introduction to Critical Care Nursing: PR: Admission to BSN program and successful completion of NUR 4227 and NUR 4227L, or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Fall, Spring.

NUR 4286 CON-NURS 3(0,3) Gerontologic Nursing: PR: Admission to BSN program or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.

NUR 4430 CON-NURS 3(0,3) Obesity in Children and Adolescents: Nursing Management: PR: Admission to BSN program or C.I. Examines multiple factors that predispose children and adolescents to obesity; explores nursing management and public health and policy strategies for prevention and treatment. Occasional.

NUR 4493 CON-NURS 3(0,3) Perinatal Loss and Grief: Nursing Interventions: PR: Admission to BSN Program or C.I. Focuses on strategies for nurses and families experiencing perinatal loss and grief. Occasional.


NUR 4535 CON-NURS 3(0,3) Psychiatric Mental Health Nursing: PR: Admission to BSN program. CR: NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.

NUR 4535L CON-NURS 2(0,6) Psychiatric Mental Health Clinical: PR: Admission to BSN program. CR: NUR 4535L. Clinical Application of Nursing Interventions in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Graded S/U. Fall, Spring.

NUR 4604L CON-NURS 4(0,12) Practicum in Community and Public Health Nursing for RNS: PR: Admission to BSN program. Synthesis of theories and concepts incorporated throughout the curriculum, applied in the community health and public health nursing setting, and directed toward professional role development. Graded S/U. Fall, Spring.

NUR 4637 CON-NURS 3(0,3) Public and Community Health Nursing: PR: Admission to BSN program. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS 1(0,3) Public Health Nursing Clinical: PR: Admission to the BSN program. CR: NUR 4637L. Clinical Course to apply concepts of public health nursing. Students will develop health findings of community assessment completed in NUR 4637L Public Health Nursing. Graded S/U. Fall, Spring.

NUR 4675 CON-NURS 3(0,3) Issues in Rural Health Care: PR: Admission to BSN program or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4760 CON-NURS 3(0,3) Principles of Pain Management: PR: Admission to BSN program or C.I. Principles of pain and pain management. Concepts of planning care from neonates to the elderly, including practices across healthcare settings from acute care to home care. Occasional.

NUR 4765 CON-NURS 3(0,3) Rehabilitation Nursing: Practicing and Practice: PR: Admission to BSN program 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 4828 CON-NURS 3(0,3) Nursing Leadership, Management and Role Transition: PR: Admission to BSN program or C.I. 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 4929 CON-NURS 3(0,3) Accelerated Transitioning into Professional Practice as a Leader: PR: Admission to BSN program, CR: NUR 4943, or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

NUR 4937 CON-NURS 3(0,3) Health Care Issues, Policy, and Economics: PR: Admission to BSN program or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community Fall, Spring.

NUR 4937H CON-NURS 3(0,3) Honors Health Care Issues, Policy, and Economics: PR: Admission to BSN program or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community with honors content. Occasional.

NUR 4906 CON-NURS VAR(VAR,VAR) Independent Study: Directed Study. Graded S/U or Letter grade. May be repeated for credit. Occasional.

NUR 4907H CON-NURS 3(0,3) Honors Directed Reading/Research: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for a seminary paper or Thesis or Project. Graded S/U or Letter grade. Occasional.

NUR 4942L CON-NURS 3(0,3) Nursing Practicum for International Students: PR: C.I. 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 and successful completion of all previous clinical courses. Designed to enhance student’s knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. Spring.

NUR 4971H CON-NURS 1-3(1-3,0) Honors Thesis or Project Works: PR: Permission of Honors. Faculty mentoring through the process of writing and defending the Honors Thesis or Project. May be taken the second time for 1-3 credit hours. May be used in the degree program a maximum of 2 times. Occasional.

OCE 3008 COS-BIOL 3(3,0) Oceanography: PR: CHM 2045C and CHM 2046, and a “C” (2.0) or better in BSC 2010C. Biological, physical, and chemical oceanography. Occasional.

OSE 4721 OPT-OPT 3(3,0) Biophotonics: PR: OSE 3052. This course is an introduction to photobiology (interaction of light with biological matter), tissue optics, light-induced cellular processes, optical biosensors, and cellular and molecular imaging. Fall.

OSE 4830 OPT-OPT 3(3,0) Imaging and Display: PR: EEL 3123C, OSE 3052. Mathematical and physical models of two- and three-dimensional imaging systems including gaze, scanning, interferometric, tomographic, and hyperspectral systems. Applications to remote sensing, biology, and medicine. Fall.


OSE 4930 OPT-OPT 2(2,0) Frontiers of Optics and Photonics: PR: OSE 3052 or PHY 4424 or EEL 4440. Senior standing. Introduction to research topics in optics & photonics. To ethical issues, and to effective communication appropriate to the field of optics & photonics. Fall.

OSE 4951 OPT-OPT 3(3,0) Senior Design I: PR: OSE 3053 and OSE 4410; CR: OSE 4520 and OSE 4470. Department Consent Required. PAD 2040 or C.I. A course to develop student design and team skills for successful design of optical and photonic systems. Preparation of project proposals for Senior Design II. Fall.

OSE 4952 OPT-OPT 3(3,0) Senior Design II: PR: OSE 4951. Execution of project developed in OSE 4951. Including complete project design review, prototyping, construction, testing, cost, functionality, demonstration, presentation, and reporting. Emphasis on team effort. Spring.

OSE 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.

OSE 5115 OPT-OPT 3(3,0) Interference and Diffraction: PR: Admitted to a graduate program in Optics, Physics or Electrical Engineering, or C.I. Interference of light, optical interferometry, Fraunhofer and Fresnel scalar diffusion, diffusion gratings, temporal coherence, spatial coherence, and partial coherence. Fall, Spring.

OSE 5203 OPT-OPT 3(3,0) Geometrical Optics : PR: Admitted to a graduate program in Optics, Physics or Electrical Engineering, or C.I. Fundamentals of Geometrical Optics, Geometrical Theory of Image Formation and Aberrations. Fall, Spring.

OSE 5312 OPT-OPT 3(3,0) Light Matter Interaction: PR: Graduate standing or C.I. Modern theory of absorption, dispersion, and reflection of materials; classical and quantum mechanical description of optical properties. Fall, Spring.

OSE 5313 OPT-OPT 3(3,0) Materials for Optical Systems: PR: Graduate standing in Optics. Review of the physical properties of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OSE 5414 OPT-OPT 3(3,0) Fundamentals of Optoelectronic Devices: PR: OSE 4520 or C.I. An introduction to the physics and technology of optoelectronic devices, with emphasis on quantum well semiconductor devices. Fall.

PAD 3003 HPA-PUB 3(3,0) Public Administration in American Society: PR: C.I. (2.0) or better in POS 2041; and Public Administration major or Public Administration minor or Leadership Studies minor or Performing Arts Administration minor; and Sophomore standing, or C.I. An examination of the basic environment, culture, and organization of public administration in the United States. Fall, Spring.

PAD 3040 HPA-PUB 3(3,0) Ethics and Values in Public Administration: PR: Junior standing, and either a Public Administration major with a "C" (2.0) or better in PAD 3003 and PAD 3733 or a Public Administration minor or C.I. Professional and ethical responsibilities of public administration. Fall, Spring.

PAD 3330 HPA-PUB 3(3,0) Urban and Regional Planning: PR: Junior standing; and Public Administration major or Urban and Regional Planning minor, or Interdisciplinary Studies Environmental Track minor, or Environmental Studies minor; or C.I. Planning topics such as land-use, and comprehensive and urban planning as they relate to the physical aspects of the natural and human environment. Fall, Spring.

PAD 3733 HPA-PUB 3(3,0) Professional and Administrative Writing in the Public Sector: PR: C.I. (2.0) or better in POS 2041; Sophomore standing. Public Administration major or Public Administration minor, or C.I. Professional and technical writing for the field of public administration. Fall, Spring.

PAD 3930 HPA-PUB 3(3,0) Nonprofit Leadership Seminar: PR: Declared Nonprofit Management minor, Junior standing, and minor prerequisites courses, or either Public Administration minor with a "C" (2.0) or better in PAD 3003 and PAD 3733, or a Junior standing, and either a Public Administration major with a "C" (2.0) or better in PAD 3003 and PAD 3733, or C.I. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interface between social values, policies and administration. Fall, Spring.

PAD 4034 HPA-PUB 3(3,0) The Administration of Public Policy: PR: Junior standing, and either a Public Administration major with a "C" (2.0) or better in PAD 3003 and PAD 3733 and in all PAD common program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3003 and PAD 3733, or C.I. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interface between social values, policies and administration. Fall, Spring.

PAD 4035 HPA-PUB 3(3,0) Administrative Theory: PR: Junior standing, and either a Public Administration major with a "C" (2.0) or better in PAD 3003 and PAD 3733 or in all PAD common program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3003 and PAD 3733, or Leadership Studies minor or certificate, or Applied Science current or C.I. A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrative practice. Fall, Spring.

PAD 4131 HPA-PUB 3(3,0) Public Sector Project Management: PR: Junior standing. Various approaches to managing projects, including using scheduling techniques such as GANTT, CPM, and PERT, as well as team building, facilitating, and leadership skills. Occasional.

PAD 4144 HPA-PUB 3(3,0) Nonprofit Organizations: PR: Junior standing and declared Nonprofit Minor or Certificate, or Performing Arts Administration minor, or C.I. The operations of nonprofit organizations, including working with board of directors, volunteer services, fund-raising and grantmanship, financial management and marketing. Fall, Spring.

PAD 4147 HPA-PUB 3(3,0) Resource Development in the Nonprofit Sector: PR: Junior standing and declared Nonprofit Major or Nonprofit Management minor or certificate, or Performing Arts Administration minor, or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.

PAD 4148 HPA-PUB 3(3,0) Volunteer Management: PR: Junior standing, and either a Public Administration major with a "C" (2.0) or better in PAD 3003 and PAD 3733 or a Public Administration minor or C.I. Professional and ethical responsibilities of public administration. Fall, Spring.

PAD 4153 HPA-PUB 3(3,0) Program Evaluation for Urban Organizations: PR: Junior standing and Public Administration major or Non Profit minor or certificate, or C.I. Prepare future leaders for the changing paradigms of the public sector by providing education in a variety of quality related areas. Fall.

PAD 4204 HPA-PUB 3(3,0) Fiscal Management: PR: Junior standing, and either a Public Administration major with a "C" (2.0) or better in PAD 3003 and PAD 3733 or a Public Administration minor or C.I. A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrative practice. Fall, Spring.

PAD 4223 HPA-PUB 3(3,0) Public Budgeting: Skills and Techniques: PR: C.I. A course to develop student design and team skills for successful design of optical and photonic systems. Preparation of project proposals for Senior Design II. Fall.

PAD 4232 HPA-PUB 3(3,0) Public Policy Processes: PR: C.I. A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrative practice. Fall, Spring.

PAD 4235 HPA-PUB 3(3,0) Program Evaluation for Public and Nonprofit Organizations: PR: Junior standing and declared Nonprofit minor or declared Nonprofit certificate or Public Administration major) or C.I. To develop an understanding of program evaluation and to apply the process by developing a program evaluation for a program. Spring.

PAD 4331 HPA-PUB 3(3,0) Land Use and Planning: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, or C.I. A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrative practice. Fall, Spring.

PAD 4334 HPA-PUB 3(3,0) Urban Design: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, or C.I. Theories and concepts of the physical, cultural, social and financial factors associated with urban environment. Fall, Spring.
PCB 3044H COS-BIOL 3(3,0)
Honors Principles of Ecology: PR: CHM 2045C and a C (2.0) or better in BSC 2010C or BSC 211C. CR: PCB 3044L (Honors version). Elements of ecosystem ecology, biogeochemical cycling, environmental and biotic interactions, population dynamics, and community change. With Honors content Occasional.

PCB 3044L COS-BIOL 1(0,1)
Honors Principles of Ecology Lab: PR: (CHM 2045 or CHM 2041) and a C (2.0) or better in BSC 2010C and BSC 211C or I+Co-Requisite: PCB 3044H Ecology (Honors Version) Elements of ecosystem ecology, biogeochemical cycling, environmental and biotic interactions, population dynamics, and community change. With Honors content Occasional.

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.

PCB 3063 COS-BIOL 3(3,0)
Genetics: PR: CHM 2046 and a "C" (2.0) or better in BSC 2100C or PCB 3522. A basic principles of heredity as applied to prokaryotes and eukaryotes. Fall, Spring.

PCB 3063H COS-BIOL 3(3,0)
Honors Genetics: PR: CHM 2046 and a "C" (2.0) or better in BSC 2100C, 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: or CR: PCB 3063 or C.I. Introduction to laboratory techniques of genetics. Fall, Spring. M&S fee $28.00

PCB 3233 COM-BBSS 3(3,0)
Immunology: PR: BSC 2100C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immune therapy. Fall.

PCB 3233L COM-BBSS 1(0,3)
Immunology Laboratory: CR: PCB 3233. Introduction to laboratory techniques in immunology. Fall, Spring. M&S fee $46.00

PCB 3343L COS-BIOL 2-5(0,6-15)
Principles of Field Ecology: PR: BSC 2111C, PCB 3004 or C.I. Applied study of biodiversity, ecology and conservation through field trips, field research and/or lectures. Emphasis and location varies by instructor. May be repeated for credit only when course content is different. Occasional.

PCB 3354 COS-BIOL 3(3,0)
Tropical Ecology and Conservation: PR: PCB 3044 with a grade of "C" (2.0) or better, or C.I. Geography, ecology, and environmental problems encountered in various tropical ecosystems with emphasis towards terrestrial systems in tropical rainforests. Occasional.

PCB 3355L COS-BIOL 2(2,0)
Tropical Marine Biology: PR: A "C" (2.0) or better in both BSC 2100C and BSC 2111C, or C.I. Intensive, one week field course at an institute of marine science. Diving/ snorkeling will be used extensively to study organisms on pristine coral reefs. Occasional.

PCB 3342 COS-BIOL 3(3,0)
Pond Aquatic Ecology: PR: A minimum grade of "C" (2.0) in both BSC 2100C and BSC 2111C, or C.I. An introduction to aquatic ecology of Florida with emphasis on ponds, lakes, streams, and rivers. Occasional.

PCB 3522 COM-BBSS 3(3,0)
Molecular Biology I: PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. Fall, Spring.

PCB 3522H COM-BBSS 3(3,0)
Honors Molecular Biology I: PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. Occasional.

PCB 3522M COM-BBSS 3(3,0)
Molecular Human Physiology: PR: BSC 2101C, CHM 2406, and consent of Honors College. The physiology and interrelationships of organs of the human body. With honors level content. Fall.

PCB 3537C COM-BBSS 4(3,3)
Human Physiology: PR: BSC 2101C, CHM 1032 or CHM 2405C. The physiology and interrelationships of organs of the human body. Fall, Spring. M&S fee $70.00

PCB 4028 COM-BBSS 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 4135 COM-BBSS 3(3,0)

PCB 4174 COM-BBSS 3(3,0)

PCB 4234 COM-BBSS 3(3,0)

PCB 4264 COM-BBSS 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 4280 COM-BBSS 3(3,0)
Molecular Immunology: PR: MCB 3020C. Advanced understanding of the workings of the immune system, correlating cellular and molecular mechanisms with clinical cases. Fall.

PCB 4284 COM-BBSS 3(3,0)
Immunobiology: PR: PCB 3323. Investigating innate host defense utilizing an approach that combines online didactic coursework with paper-based analytical studies. Recommended for students interested in research. Occasional.

PCB 4353 COS-BIOL 3(3,0)

PCB 4402 COS-BIOL 3(3,0)
Disease Ecology & Ecomimimology: PR: A grade of "B" (3.0) or better in PCB 3063 and PCB 3044 or C.I. Examination of how hosts, parasites and environment interact to shape organisms, populations and communities. Occasional.

PCB 4408 COS-BIOL 3(3,0)
Urban Ecology: PR: PCB 3044 with a "B" (3.0) or better, or C.I. Urban ecosystems, urbanizing landscapes, and the impacts of urban areas on ecological pattern and processes at local, regional and global scales. Occasional.

PCB 4514 COS-BIOL 3(3,0)
Genetics II: PR: A minimum grade of "B" (3.0) in PCB 3063, or C.I. Advanced topics in genetics and epigenetics including genome organization, gene regulation, chromosome mutation, developmental genetics and the effect of environment on phenotype. Even Fall.

PCB 4521 COM-BBSS 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-based interactions. Occasional.
PCB 4832 COM-BSBS 3(3,0) Cellular and Molecular Basis of Brain Functions: PR: PCB 3522, PCB 3703C, ZOO 3733C. Designed to provide advanced undergraduate students the concepts required to understand the physiological basis of brain functions at the molecular and system levels. Fall.

PCB 4833 COM-BSBS 3(3,0) Advanced Human Physiology: PR: PCB 3522, PCB 3703C, ZOO 3733C. Advanced topics in physiological processes at the cellular, molecular and system levels. Fall.

PCB 4843 COM-BSBS 3(3,0) Cellular and Molecular Neuroscience: PR: ZOO 3733C. An advanced and thorough course providing understanding of the cellular components and molecular signaling pathways involved in the nervous system function. Spring.

PCB 4943 COM-BSBS 3(3,0) Peer Instruction and Laboratory Occupational Training: PR: BSC 3403C or BSC 3403H. Internship practicum in a molecular biology laboratory where students teach, present, read journal articles, and work on a research project. May be repeated for credit. Occasional.

PCB 5025 COM-BSBS 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: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Scientific basis of conservation: conservation of ecosystems, populations, exploited species, and endangered species. Fall.

PCB 5235 COM-BSBS 3(3,0) Molecular Immunology: PR: MCB 3020C or equivalent. Fundamental functions of the human immune system, focusing on cellular and molecular aspects of the innate and adaptive immune response. Fall.

PCB 5236 COM-BSBS 3(3,0) Cancer Biology: PR: PCB 4524 and graduate standing. Current knowledge and research on molecular mechanism of tumor development, tumor progression, metastasis and therapy of cancer. Occasional.

PCB 5238 COM-BSBS 3(3,0) Immunobiology: PR: PCB 3233, PCB 4260. Advanced topics in immune system dysregulation with special emphasis on innate immunity. Spring.

PCB 5265 COM-BSBS 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-BSBS 3(3,0) Signal Transduction Mechanics: PR: PCB 3522 and PCB 4524. A course emphasizing various signal transduction cascades used in mammalian cells to control growth and differentiation. Discussion of original research papers will occur. Occasional.

PCB 5286C COS-BIOL 5(2,3) Ecosystems of Florida: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, 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 $12,00.


PCB 5447 COS-BIOL 3(3,0) Disease Ecology & Ecomimunology: PR: A grade of B (3.0) or better in Genetics (PCB 3063 or equivalent) and Ecology (PCB 3044 or equivalent), or C.I., or graduate standing. Examination of how hosts, parasites and environment interact to shape organisms, populations and communities. Occasional.

PCB 5485 COS-BIOL 3(3,0) Models in Ecology: PR: PCB 3044, MAC 2311C (or equivalent), or graduate status or senior standing. C.I. A survey of how simulation models are applied to ecological questions of both a theoretical and managerial nature. Occasional.

PCB 5527 COM-BSBS 3(3,0) Genetic Engineering and Biotechnology: PR: PCB 3522 and PCB 4524 or C.I. Principles of Genetic Engineering/Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems. Plants, including human gene therapy, novel pharmaceuticals, recombinant proteins will be discussed in depth. Fall.

PCB 5596 COM-BSBS 3(3,0) Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.

PCB 5567 COS-BIOL 3(3,0) Evolutionary Ecology: PR: PCB 4683 or equivalent and C.I. Evolution of life history traits (e.g., propagule size/number, age/size at maturity, survivorship and senescence) examined using a quantitative genetic framework. Even Fall.

PCB 5709C COM-BSBS 3(1,2) Laboratory Virtual Simulations in Physiology: CR: PCB 5834C Advanced Human Physiology. Conduct experiments in physiology that enhance the ability to design, collect, analyze data and report results in a scientific manner. Occasional.

PCB 5815 COM-BSBS 3(3,0) Molecular Aspects of Obesity, Diabetes & Metabolism: PR: PCB 3522 or BCH 4053 or BSC 6432: Biochemical, molecular and physiological aspects of obesity, diabetes and metabolic diseases and how scientific findings can be translated towards prevention and treatment. Odd Spring.

PCB 5834C COM-BSBS 3(4,2) Advanced Human Physiology: PR: Graduate standing or C.I. Designed to provide graduate students advanced knowledge of physiological processes at the cellular, molecular and system levels. Fall.

PCB 5837 COM-BSBS 3(3,0) Cellular and Molecular Neuroscience: PR: Graduate standing. An advanced and thorough course providing understanding of the cellular components and molecular signaling pathways involved in the nervous system function. Spring.

PCB 5838 COM-BSBS 3(3,0) Cellular and Molecular Basis of Brain Functions: PR: Graduate Standing or C.I. Designed to provide graduate students the concepts required to understand the physiological basis of brain functions at the molecular, cellular and system levels. Fall.

PCB 5935 COS-BIOL 3(3,0) Population Genetics: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, or C.I. Population genetics and the study of the various forces that result in evolutionary changes through time. Even Fall.

PCO 4203 COS-PSYCH 3(3,0) Interviewing and Counseling: PR: PSY 2012. A review of various interviewing and counseling techniques and theories used in Mental Health settings as well as practical experience in interviewing and counseling procedures. Fall, Spring.

PEL 2011 ED-EEHS 2(1,1) Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEL 2111 ED-EEHS 2(1,1) Bowling: Fundamentals of bowling techniques and the development of skills based on those fundamentals. Occasional.

PEL 2122 ED-EEHS 2(1,1) Intermediate Bowling: PR: PEL 2111; bowling experience, or average of 140 verification by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. Occasional.

PEL 2121 ED-EEHS 2(1,1) Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring.

PEL 2122 ED-EEHS 2(1,1) Intermediate Golf: PR: PEL 2121 or equivalent competency. A study of performance and application of intermediate skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2341 ED-EEHS 2(1,1) Beginning Tennis: Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2342 ED-EEHS 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-EEHS 2(1,1) Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEM 2101 ED-EEHS 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.

PEM 2104 ED-EEHS 3(2,1) Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. Fall, Spring.

PEM 2121 ED-EEHS 2(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.

PEM 2122 CAH-MUSIC 10(2,0) Yoga for Performers: The practice and study of Yoga, including postures, breathing and meditation, focusing on the needs of performers Fall, Spring.

PEM 2127C ED-EEHS 2(1,1) Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional.

PEM 2131 ED-EEHS 2(1,1) Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring.

PEM 2134C ED-EEHS 2(1,1) Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional.

PEM 2171 ED-EEHS 2(1,1) Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. Fall, Spring.

PEM 2173 ED-EEHS 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEM 2175</td>
<td>ED-E&amp;HS</td>
<td>2(1,1)</td>
<td>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.</td>
</tr>
<tr>
<td>PEM 2405</td>
<td>ED-E&amp;HS</td>
<td>3(1,2)</td>
<td>Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.</td>
</tr>
<tr>
<td>PEM 2431</td>
<td>ED-E&amp;HS</td>
<td>2(2,0)</td>
<td>Beginning Judo: Study and application of basic skills, fundamental techniques, basic self-defense, terminology, philosophy and fitness training involved in the Olympic sport of Judo. Fall, Spring.</td>
</tr>
<tr>
<td>PEM 2432</td>
<td>ED-E&amp;HS</td>
<td>2(2,0)</td>
<td>Intermediate Judo: PR: PEM 2431 or C.I. Study and application of intermediate skills, body and strength conditioning, appropriate protocols and terminology involved in Judo training. Fall, Spring.</td>
</tr>
<tr>
<td>PEM 5408C</td>
<td>ED-CFCS</td>
<td>3(2,1)</td>
<td>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.</td>
</tr>
<tr>
<td>PEO 2011</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Team Sports: PR: Admission to the Sport and Exercise Science program. Team sports is designed to provide students with skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring.</td>
</tr>
<tr>
<td>PEO 2031</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Individual Sports: PR: Admission to the Sport and Exercise Science Program. Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring.</td>
</tr>
<tr>
<td>PEO 3041</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Games Analysis: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Fall, Spring.</td>
</tr>
<tr>
<td>PEO 3324</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Coaching Volleyball: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Peding or Coaching Minor. Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.</td>
</tr>
<tr>
<td>PEO 3514C</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Coaching Soccer: PR: Admission to the Sport and Exercise Science Program, Sport and Exercise Science Peding or Coaching Minor. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.</td>
</tr>
<tr>
<td>PEO 3624</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Coaching Basketball: PR: Admission to the Sport and Exercise Science program, Sport and Exercise Science Peding or Coaching Minor. Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.</td>
</tr>
<tr>
<td>PET 2081</td>
<td>ED-E&amp;HS</td>
<td>1(1,0)</td>
<td>Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.</td>
</tr>
<tr>
<td>PET 3005</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Introduction to Sport and Exercise Science: PR: Admission to the Sport and Exercise Science Program or Sport and Exercise Science Peding or department consent. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall, Spring.</td>
</tr>
<tr>
<td>PET 3097</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Health and Wellness: PR: Admission to Sport and Exercise Science Program or Sport and Exercise Science Peding or department consent. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall, Spring.</td>
</tr>
<tr>
<td>PET 3125</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Fitness and Weight Management: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Fall, Spring.</td>
</tr>
<tr>
<td>PET 3137</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Concepts and Practices in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science Program or C.I. Examination of experiences in Sport and Exercise Science Program: concepts, practices, and science. Fall, Spring.</td>
</tr>
<tr>
<td>PET 3361</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Nutrition and Metabolism in Sport and Exercise Science: PR: Admission to Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent and minimum overall 2.5 GPA; study of advanced concepts designed to meet nutrient demands for physical activity, exercise, metabolism, and athletic performance in sport and exercise sciences. Fall, Spring.</td>
</tr>
<tr>
<td>PET 3510C</td>
<td>HPA-HP</td>
<td>3(2,1)</td>
<td>Physiologic &amp; Metabolic Basis of Human Movement &amp; Performance: PR: Admission to Athletic Training B.S. Program. Exercise physiology, drugs &amp; nutrition, and performance &amp; injury; each focusing on the key elements for the application of athletic training principles. Fall, Spring.</td>
</tr>
<tr>
<td>PET 3765</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Coaching Theory: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Peding or Coaching Minor. Theories of coaching team and individual sports. Fall, Spring.</td>
</tr>
<tr>
<td>PET 3768</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Group Exercise Instruction: PR: Admission to Sport and Exercise Science Program or Fitness Training Minor and minimum overall 2.5 GPA. An in-depth study into group exercise instruction and fitness related concepts. Fall, Spring.</td>
</tr>
<tr>
<td>PET 3771</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Strength and Conditioning Concepts: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent and minimum overall 2.5 GPA. Integration of advanced components of muscular strength training and endurance conditioning for the sport and exercise professional. Fall, Spring.</td>
</tr>
<tr>
<td>PET 3820</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Teaching Sports Skills I: PR: Admission to the Sport and Exercise Science Program, Sport and Exercise Science Peding or Community Sport and Fitness Minor. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Fall, Spring.</td>
</tr>
<tr>
<td>PET 4050C</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Motor Development and Learning: PR: Admission to Sport and Exercise Science Program or Early Childhood Development and Education program and minimum overall 2.5 GPA. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. Fall, Spring.</td>
</tr>
<tr>
<td>PET 4083</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Personal Training Methods: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Fall, Spring.</td>
</tr>
<tr>
<td>PET 4088</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Physical Activity &amp; Preventive Medicine: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent and minimum overall 2.5 GPA. Critique and analysis of evidence that exercise training can prevent some diseases and increase quality of life. Fall, Spring.</td>
</tr>
<tr>
<td>PET 4143</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Current Issues &amp; Trends in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the current issues and trends encountered by professionals in sport and exercise science. Fall, Spring.</td>
</tr>
<tr>
<td>PET 4215</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Motivational Aspects of Athletic Performance: PR: Admission to Sport and Exercise Science program, Fitness Training Minor or Coaching Minor and minimum overall 2.5 GPA. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance. Fall, Spring.</td>
</tr>
<tr>
<td>PET 4312C</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Applied Biomechanics: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent and minimum overall 2.5 GPA. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall, Spring.</td>
</tr>
<tr>
<td>PET 4315C</td>
<td>HPA-HP</td>
<td>3(2,1)</td>
<td>Biomechanics of Sport: PR: PHY 2053C or PHY 2048C. Assessment and recognition of physiological and mechanical aspects of sports and injuries. Spring.</td>
</tr>
<tr>
<td>PET 4325</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Functional Kinesiology for Sport and Exercise Science: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent and minimum overall 2.5 GPA. Study of functional anatomy and elementary biomechanics. Emphasis placed on analysis of skeletal, muscular and nervous systems and biomechanical factors associated with efficient motor development. Fall, Spring.</td>
</tr>
<tr>
<td>PET 4401</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Administration and Evaluation in Sport and Fitness: PR: Admission to the Sport and Exercise Science Program and minimum overall 2.5 GPA. Addressing administrative, measurement and evaluation aspects of Sport and Fitness programs. Fall, Spring.</td>
</tr>
<tr>
<td>PET 4550C</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Assessment and Evaluation in Exercise Science: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent and minimum overall 2.5 GPA. The study and acquisition of health related fitness, exercise strategies and related assessment techniques. Fall, Spring.</td>
</tr>
<tr>
<td>PET 4552</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Exercise Prescription for Special Populations: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent, APK 4110C and minimum overall 2.5 GPA. Students integrate knowledge of exercise science, physiology, and fitness conditioning to develop exercise for populations dealing with aging, osteoporosis, diabetes, obesity, heart disease, and pregnancy. Fall, Spring.</td>
</tr>
<tr>
<td>PET 4606</td>
<td>HPA-HP</td>
<td>3(3,0)</td>
<td>Applied Fitness in Sport: PR: ZOO 3736C or ZOO 3736C and PCB 3703C. Junior standing; COHPA majors and Health Sciences minors only. Physiological adaptations to exercise, biomechanics, psychology, performance enhancing substances, nutrition, fitness testing procedures, exercise technique, program design, advanced rehabilitation and administration. Spring.</td>
</tr>
</tbody>
</table>
PET 4925 ED-E&HS 3(0,16)
Sport and Exercise Praxis Seminar I: PR: GPA of 2.5 and completion of 1/3 of the Sport and Fitness program requirements. Field experience in a sport and fitness related organization. Graded S/U. Fall, Spring.

PET 5216 ED-E&HS 3(0,3)
Motivational Aspects of Coaching: PR: Graduate standing or C.I. Assist students to understand and conceptually integrate mental and physical performance, motivation, effort, perseverance, adherence and compliance, measurement and evaluation, and other related topics of interest. Occasional.

PET 5355 ED-E&HS 3(0,3)
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-E&HS 3(0,3)
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 philosophical, values, and moral reasoning skills. Occasional.

PET 5766 ED-E&HS 3(0,3)

PGY 2401C CAH-SVAD 3(2,3)
Beginning Photography: PR: ART 2201C, ART 2300C or C.I. Introduction to photography with an art emphasis. Fall, Spring. M&S fee $45.00

PGY 3002 CAH-SVAD 3(0,3)
Contemporary Photography: PR: PGY 2401C or C.I. Late 20th and 21st century (1970’s-present) contemporary movements in photography, special emphasis on issues and ideas relative to contemporary image making. Occasional.

PGY 3205C CAH-SVAD 3(2,4)
Photographic Lighting Techniques (offered through Daytona State College) or equivalent. A series of non-credit courses designed for art majors with studio skills. Spring. M&S fee $49.00

PGY 3726 CAH-SVAD 3(0,3)
The Professional Environment: PR: PGY 3002 or C.I. Concepts necessary for operation of a photography studio. Includes legal, ethical issues; marketing; self-promotion strategies; funding opportunities; professional development; and professional presentation. Occasional.

PGY 3410C CAH-SVAD 3(2,3)

PGY 3451C CAH-SVAD 3(2,4)
Alternative Processes: PR: PGY 3472C 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 3472C CAH-SVAD 3(2,4)
Photo Visualization: PR: PGY 3000 (offered through Daytona State College) or equivalent. Analysis of visual problems with an emphasis on communicating and applying a theoretical language to photographic imagery. Occasional. M&S fee $68.00

PGY 3480 CAH-SVAD 3(0,4)
Photography and Media Practices: PR: PGY 3000 Contemporary Photography. The museum and gallery environment focusing on the acquisition and display of photographic materials and curatorial functions. The course includes a service learning component. Occasional.

PGY 3610C COS-COMM 3(1,4)

PGY 3651C CAH-SVAD 3(2,4)
Narrative Editorial Photography: PR: PGY 3650 (offered through Daytona State College) or equivalent. Explores photography in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. M&S fee $70.00

PGY 3653C CAH-SVAD 3(2,4)
Advanced Editorial Photography: PR: PGY 3651C. Exploration of imagery created to illustrate articles, including still-life, portrait, documentary, and/ or fashion photography. Emphasis on the creation of multiple or consecutive images. Spring. M&S fee $68.00

PGY 3703C CAH-SVAD 3(2,4)
Photography & the Web: PR: PGY 3610C or C.I. Advanced issues in digital imaging, emphasis on professional output solutions for the photographer such as well as an interface, large format printing, and film recorder. Occasional. M&S fee $45.00

PGY 3751C CAH-SVAD 3(2,4)
Video: PR: PGY 3821C or C.I. Creation of video narratives using the digital environment. Occasional.

PGY 3821C CAH-SVAD 3(2,4)
Advanced Digital Photography: PR: PGY 2401C or C.I. Current digital imaging software and its application to contemporary work. Occasional. M&S fee $69.00

PGY 3933C CAH-SVAD 3(2,4)
The Photo-Book: PR: PGY 2401C. The study and application of the major trends and movements that have shaped the photo-book genre since the birth of photography to the self-publishing boom. Spring.

PGY 4003 CAH-SVAD 3(0,3)
Image, Culture, and Society: PR: PGY 3002 or C.I. The role of images and media imagery in culture and society. Occasional.

PGY 4228C CAH-SVAD 3(2,4)
Advanced Illustrative Photography: PR: PGY 3205C or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. Occasional. M&S fee $70.00

PGY 4235C CAH-SVAD 3(2,4)
Professional Photography Workshop: PR: PGY 3205C. Creative, logistical, and technical processes as related to a variety of special lighting problems in the photographic studio and on location. Occasional. M&S fee $70.00

PGY 4420C CAH-SVAD 3(2,3)
Advanced Photography: PR: ART 2201C, ART 2203C, ART 2300C, or C.I. And a satisfactory portfolio review or C.I. Advanced photography skills and portfolio development. Designed for art majors. May be repeated for credit. Fall, Spring. M&S fee $49.00

PGY 4440C CAH-SVAD 3(2,3)

PGY 4471C CAH-SVAD 3(2,4)
Photography Thesis: PR: PGY 3276. Senior thesis project culminating in a public exhibition or portfolio presentation. Occasional. M&S fee $68.00

PGY 4493C CAH-SVAD 3(2,4)
Photography and Art: PR: PGY 3472C, or PGY 3276. C.I. Creative photography related to the expression of personal, political, aesthetic, and theoretical issues and ideas found in historical and contemporary imagery. Occasional. M&S fee $68.00

PGY 5108C CAH-SVAD 3(2,4)
Advanced Techniques and Concepts in Photography: PR: PGY 3472C or PGY 4420C, or admission into MFA graduate program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 3 times. Occasional.

PHH 3100 CAH-PHIL 3(0,3)
Ancient Philosophy: PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. Occasional.

PHH 3200 CAH-PHIL 3(0,3)
Medieval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish and Christian philosophy, as expressed in its main problems and representative thinkers. Occasional.

PHH 3460 CAH-PHIL 3(0,3)
Modern Western Philosophy: PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche, Even Fall.

PHH 3510 CAH-PHIL 3(0,3)
Marx and Nietzsche: PR: PHI 2010 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform. Even Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3701</td>
<td>CAH-PHIL</td>
<td>3(3,0)</td>
<td>PHI 2010 or C.I.</td>
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<tr>
<td>PHI 3083</td>
<td>CAH-PHIL</td>
<td>3(3,0)</td>
<td>PHI 2010 or C.I.</td>
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<tr>
<td>PHI 3803</td>
<td>CAH-PHIL</td>
<td>3(3,0)</td>
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PHI 3123 CAH-PHIL 3(3,0)

PHI 3401 CAH-PHIL 3(3,0)
Philosophy of Law: PR: PHI 2010, PHI 3670, or PHI 3670, Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. 3(3,0)

PHI 4031 CAH-PHIL 3(3,0)
Environmental Philosophy: PR: PHI 3440, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecosocialism, and social ecology. Occasional.

PHM 5035 CAH-PHIL 3(3,0)
Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecosocialism, and social ecology. Occasional.

PHP 3781 CAH-PHIL 3(3,0)

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 situation as found in the writings of such philosophers as Kierkegaard, Nietzsche, Heidegger, Sartre, and Camus. Odd Fall.

PHP 4782 CAH-PHIL 3(3,0)

PHP 4931 CAH-PHIL 3(3,0)
Key Figures in Philosophy: PR: PHI 2010 or C.I. PHI 3440 or C.I. Study of a central figure in philosophy’s work, influence, reception and effect. May be repeated for credit only when course content is different. Occasional.

PHP 4933 CAH-PHIL 3(3,0)
Key Concepts in Philosophy: PR: PHI 2010 or C.I. Study of the development, meaning, and implications of a central concept in Philosophy. May be repeated for credit only when course content is different. Occasional.

PHT 3069 HPA-HP 1(1,0)

PHT 3069L HPA-HP 2(0,4)
Physical Assessment Lab: PR: PHT 3069. Lab course emphasizing the examinations required to perform an evaluation of a physical therapy patient. Occasional.

PHT 3112 HPA-HP 2(0,4)
Gross Anatomy/Neuroscience I: PR: Admission into the Physical Therapy program. CR: PHT 3112L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper lower extremities. Regional cadaver dissection. Occasional.

PHT 3112L HPA-HP 3(0,6)

PHT 3113 HPA-HP 2(0,2)
Gross Anatomy/Neuroscience II: PR: PHT 3112; PHT 3112L. CR: PHT 3113L. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. Occasional.

PHT 3113L HPA-HP 3(0,6)

PHT 3122 HPA-HP 3(0,6)
Clinical Kinesiology: CR: PHT 3122L. Mechanical aspects of human movement, including joint mechanics of the upper and lower extremity, the vertebral column, and tissue mechanics of relevant human tissues. Coordinated with cadaver dissection. Occasional.

PHT 3122L HPA-HP 6(0,6)

PHT 3155 HPA-HP 2(0,2)
Physiology of Therapeutic Exercise: CR: PHT 3155L. Exercise physiology investigating the physiological responses and adaptations to human movement including cardiovascular and pulmonary systems. Occasional.

PHT 3155L HPA-HP 2(0,4)
Physiology of Therapeutic Exercise Lab: CR: PHT 3155. Lab course emphasizing the clinical application of exercise physiology. Occasional.

PHT 3259 HPA-HP 2(0,2)

PHT 4222 HPA-HP 2(0,2)

PHT 4222L HPA-HP 1(0,2)
Theoretical 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(0,2)
Theoretical Exercise II: PR: PHT 4222; PHT 4222L. CR: PHT 4230L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation treatment course. Occasional.

PHT 4230L HPA-HP 1(0,2)
Theoretical Exercise II Lab: CR: PHT 4230 Lab course emphasizing use of various therapeutic exercise modalities. Occasional.

PHT 5003 HPA-HP 2(0,2)

PHT 5125 HPA-HP 2(0,2)
Clinical Kinesiology: CR: PHT 5125L. Investigates the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and tissue mechanics of relevant human tissues. Occasional.

PHT 5125L HPA-HP 2(0,4)
Clinical Kinesiology Lab: CR: PHT 5125. Graduate level study of human musculoskeletal movement with an emphasis on joint mechanics and clinical applications. Occasional. M&S fee $35.00

PHT 5218 HPA-HP 2(0,2)
Theories and Procedures I: CR: Theories and Procedures I Lab. Theories of physical agents, heat, light, cold, water, sound, and massage; problem solving and selection of interventions for inflammation, pain, edema, and weakness. Spring.
UCF Courses and Descriptions

PHY 5218L HPA-HP
Theories and Procedures I lab: CR: Theories and Procedures I. Lab course on the clinical applications of heat, light, color, water, sound, and massage. Spring. M&S fee $30.00

PHY 5240 HPA-HP

PHY 5240L HPA-HP
Physical Assessment Lab: CR: Physical Assessment Lab course emphasizing the examinations required to perform an evaluation of physical therapy patient. Fall. M&S fee $45.00.

PHY 5241 HPA-HP

PHY 5244L HPA-HP

PHY 5260 HPA-HP
Patient Care Skills: CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, draping, gait training. Fall.

PHY 5260L HPA-HP
Patient Care Skills Lab: CR: Patient Care Skills Lab. Skills of patient care, transfers, mobility skills. Fall. M&S fee $30.00.

PHY 5718 HPA-HP

PHY 5718L HPA-HP

PHY 1038 COS-PHYS
Physics of Energy, Climate Change and Environment: PR: None. Basic principles of physics under the unifying theme of the production and use of energy and its interaction with the climate system and global environment. Spring.

PHY 1935 COS-PHYS
Freshman Physics Seminar: Introduction to physics and the Physics Department research groups to prepare students for a successful physics career. Fall.

PHY 2020 COS-PHYS
Concepts of Physics: An introductory course in physics designed for non-science majors, emphasizing topics relevant to everyday life. The course focuses on major physical discoveries and their implications for the world around us. Fall.

PHY 2048C COS-PHYS
General Physics Using Calculus I: PR: MAC 2311C (or equivalent) with grade C (2.0) or better. Mechanics, Thermodynamics, fluids. Fall. Spring. M&S fee $15.00.

PHY 2048C COS-PHYS
General Physics Using Calculus I: PR: MAC 2311C (or equivalent) with grade C (2.0) or better. Mechanics, Thermodynamics, fluids. Fall. Spring. M&S fee $15.00.

PHY 2049C COS-PHYS
Honors General Physics Using Calculus II: PR: MAC 2312 and PHY 2048C with grades C (2.0) or better and permission of Honors. Same as PHY 2049C with honors-level content. Fall. Spring.

PHY 2049C COS-PHYS
General Physics Using Calculus II: PR: MAC 2312 and PHY 2048C with grades C (2.0) or better. Electricity, magnetism, optics. Fall. Spring. M&S fee $15.00.

PHY 2053C COS-PHYS
Physics II: CR: MAC 1105C and MAC 1114C or equivalent or C.I. Mechanics, waves, thermodynamics. Fall. Spring. M&S fee $14.00.

PHY 2053C COS-PHYS
Honors College II: CR: MAC 1105C and MAC 1114C or C.I. and consent of Honors. Mechanics, waves, thermodynamics. With Honors content. Fall.

PHY 2054C COS-PHYS

PHY 2054C COS-PHYS

PHY 3101 COS-PHYS

PHY 3101H COS-PHYS

PHY 3220 COS-PHYS

PHY 3323 COS-PHYS

PHY 3513 COS-PHYS
Thermal and Statistical Physics: CR: PHY 3101 or PHY 3101H or C.I. Thermodynamics, kinetic theory, elements of statistical mechanics. Fall.

PHY 3722C COS-PHYS

PHY 3752C COS-PHYS

PHY 3802L COS-PHYS
Intermediate Physics Laboratory: CR: PHY 3011 or C.I. Laboratory work in basic measurements of physical constants; experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall.

PHY 3945 COS-PHYS
Physics Pedagogy Seminar: PR: PHY 2048C or PHY 2053C. Designed for students serving as Learning Assistants in the physics department and will help LA’s to integrate educational theory, pedagogy and practice. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

PHY 4012 COS-PHYS
Teaching Introductory Physics: PR: PHY 3011 or C.I. Preparation for specialized matter regarding for teaching introductory physics by reviewing variety of physics concepts integrated with coherent teaching methods. Odd Spring.

PHY 4254 COS-PHYS
Physics of Fluids and Biofluids: CR: PHY 3513, PHY 3523, and MAP 2302, or C.I. Ideal fluids: basic equation of fluid flow; viscous flow, instability and turbulence; thermal and mass transfers in fluids; biofluid mechanics of blood circulation. Even Spring.

PHY 4324 COS-PHYS

PHY 4424 COS-PHYS

PHY 4445 COS-PHYS

PHY 4604 COS-PHYS

PHY 4605 COS-PHYS

PHY 4803L COS-PHYS

PHY 5015C COS-PHYS
Physics for Teachers II: CR: Graduate status or senior standing or C.I. “Hands-on” lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. Occasional.

PHY 5140C COS-PHYS
Non-Solid Interactions: CR: PHY 4604 or PHY 4324, graduate status or senior standing, or C.I. Physical principals and related scientific and technological applications of-son-solid interactions. Occasional.

PHY 5255 COS-PHYS
Physics of Fluids and Biofluids: CR: PHY 3515, PHY 3523, and MAP 2302 or C.I. Ideal Fluids: Basic equation of fluid flow; Viscous flow, instability and turbulence; Thermal and mass transfers in fluids, biofluid mechanics of blood circulation. Even Spring.

PHY 5346 COS-PHYS
Electrodynamics: CR: PHY 4324, and graduate status or senior standing or C.I. Basic postulates of quantum mechanics, operators, eigenvalues, parity, helicity, well, harmonic, C.I. Del'Hi, time dependent and time independent Schrodinger equation, matrix formulation, and time independent perturbation theory. Fall.

PHY 5704 COS-PHYS
Physics of Nanoelectronics Devices: PR: Graduate standing or C.I. Fabrication techniques of nanoscale electronic devices and understanding of their charge transport properties. Odd Fall.

PHY 5715 COS-PHYS
Physical Basis of Life: PR: Graduate standing or C.I. Molecular and physical principles of origin of life, physical and chemical interpretation of life processes. Fall.

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PHY 5817L COS-PHYS 1(0,3)
Building Physics Apparatus: PR: Graduate standing or senior standing and C.I. Hands-on shop course. Focus will be on machine shop practice with possible extension to printed circuit boards and glass work. Occasional. M&S fee $45.00

PHY 5933 COS-PHYS 3(3,0)
Selected topics in biophysics of macromolecules: PR: PHY 3101, CHM 2045, and graduate standing or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules as proteins. Connections with other complex systems. May be repeated for credit. Occasional.

PHY 5937 COS-PHYS 3(3,0)
Device Prototyping: PR: Graduate standing or C.I. Fabrication and characterization of micro-scale devices, including micro-electrical-mechanical systems, sensors, optical devices and micro-electric devices. Occasional.

PHZ 3113 COS-PHYS 3(3,0)
Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics. Spring.

PHZ 3150 COS-PHYS 3(3,0)
Introduction to Numerical Computing: PR: MAC 2311C, or C.I. First exposure to concepts such as floating point numbers, error, computer programming, problem-solving workflows, 2D and 3D visualization principles, logging, numerical methods and tools. Computer required. Fall, Spring.

PHZ 3151 COS-PHYS 3(3,0)

PHZ 3422 COS-PHYS 3(3,0)
Nanophysics: PR: PHY 3101 or C.I. Physical phenomena occurring in nanometer-length scale, including nano colloids, and nano transport. Occasional.

PHZ 3462 COS-PHYS 3(3,0)
Matter Science II: The Science and Social Impacts: PR: (PHY 2049C or PHY 2054C) and (CHM 2045C or CHS 1440) Provides a broad view of nanoscience and the basic theoretical principles behind it, with special focus on fundamental properties and implications to society. Fall.

PHZ 3464 COS-PHYS 3(3,0)
Nanoscience II: Technical Applications: PR: (PHY 2049C or PHY 2054C), and (CHM 2045C or CHS 1440). A cross-disciplinary course that introduces an overview of the most relevant experimental advances in nanoscience and their applications in current technologies as well as their potential for future emerging technologies. Spring.

PHZ 3466 COS-PHYS 3(3,0)
Nanoscience III: A Virtual Laboratory: PR: (PHY 2049C or PHY 2054C) and (CHM 2045C or CHS 1440) The computational aspects of nanoscience. Students will model the nano-world using simulation software. Fall.

PHZ 3601 COS-PHYS 3(3,0)

PHZ 4390 COS-PHYS 3(3,0)
Nuclear and Particle Physics: PR: PHY 4605 or C.I. The properties of the nuclei and the fundamental particles and how the universe is built from particles. Occasional.

PHZ 4404 COS-PHYS 3(3,0)

PHZ 4434 COS-PHYS 3(3,0)
Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.

PHZ 5156 COS-PHYS 3(3,0)
Computational Physics: PR: PHZ 3151 or C.I. Computational methods applied to the solution of many branches of physics. May be repeated for credit. Fall.

PHZ 5505 COS-PHYS 3(3,0)
Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to the study of plasmas, collisions, surfactants using basic tools of statistical mechanics. Occasional.

PHZ 5506 COS-PHYS 3(3,0)
General Relativity: PR: Graduate standing or C.I. Introduction to Einstein’s theory of gravitation. Odd Spring.

PLA 3104 HPA-LS 3(3,0)
Law and the Legal System: PR: ENC 1102, 1104. A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall, Spring.

PLA 3108 HPA-LS 3(3,0)
Legal Research: PR: or CR: PLA 3014, or C.I. A study of the various research tools used in legal research. Fall, Spring.

PLA 3115 HPA-LS 3(3,0)
Legal Writing: PR: PLA 3108. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3108. Fall, Spring.

PLA 3205 HPA-LS 3(3,0)
Civil Practice and Procedure: PR: or CR: PLA 3014 or C.I. The student becomes familiar with the Florida civil procedure law and acquires the ability to prepare basic pleadings. Fall, Spring.

PLA 3277 HPA-LS 3(3,0)
The Law of Torts: PR: or CR: PLA 3014 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of torts cases. Fall, Spring.

PLA 3306 HPA-LS 3(3,0)
Criminal Law: PR: ENC 1102 and Sophomore Standing. Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.

PLA 3309 HPA-LS 3(3,0)
Criminal Procedure: PR: ENC 1102 and Sophomore Standing. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.

PLA 3615 HPA-LS 3(3,0)
Property and Real Estate Law: PR: or CR: PLA 3014 or C.I. Study of the law of real and personal property, real estate transactions and conveyances; closing procedures and title problems. Fall, Spring.

PLA 3871 HPA-LS 3(3,0)
Law and Technology: Drones and Artificial Intelligence: PR: PLA 3014, or C.I. This course provides students to critically analyze the law as a driver and inhibitor of technology by examining innovations in automated and unmanned aircraft. Fall, Spring.

PLA 3871H HPA-LS 3(3,0)
Honors Law and Technology: Drones and Artificial Intelligence : PR: ENC 1102; Consent of Honors This course prepares students to critically analyze the law as a driver and inhibitor of technology by examining innovations in automated and unmanned aircraft. Fall, Spring.

PLA 3951H HPA-LS 3(3,0)
Honors Moot Court: PR: Junior Standing and Consent of Honors, or C.I. An interdisciplinary course on selective principles of Constitutional Law, focusing on persuasive writing, oral advocacy, public speaking, and analytical skills through UCF’s appellate advocacy/moot court tournament. Fall.

PLA 4020 HPA-LS 3(3,0)
Law and Society: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.

PLA 4022 HPA-LS 3(3,0)
Contemporary Issues in Law: PR: ENC 1102, and PLA 3014, or C.I. Litigation and trial at an advanced level; students must handle a trial from beginning to end. May be repeated for credit. Fall, Spring.

PLA 4226 HPA-LS 3(3,0)
Advanced Trial Advocacy: PR: (PLA 4190 and Junior Standing) or C.I. Theories and skills involved in negotiation, mediation and other dispute resolution processes. Occasional.

PLA 4240 HPA-LS 3(3,0)
Negotiation Alternatives in Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Theories and skills involved in negotiation, mediation and other dispute resolution processes. Occasional.

PLA 4263 HPA-LS 3(3,0)
Evidence: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on Florida Evidence Code. Fall, Spring.

PLA 4410 HPA-LS 3(3,0)
Intellectual Property Law and Practice: PR: PLA 3014 and Junior Standing, or C.I. This course provides a comprehensive understanding of intellectual property law and practice in the four areas of trademark, copyright, patent and trade secrets. Fall, Spring.

PLA 4424 HPA-LS 3(3,0)
The Law of Contracts: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Study of the basic law of contracts as developed in Anglo-American law and as changed by modern legislation. Includes the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

PLA 4436 HPA-LS 3(3,0)
Florida Partnerships and Corporations: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.
PLA 4464 HPA-LS 3(3,0)
Bankruptcy Law: PR: or CR: PLA 3014, and PR: Junior standing or 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-LS 3(3,0)
Employment Discrimination Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. This 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 4485 HPA-LS 3(3,0)
Administrative Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4521 HPA-LS 3(3,0)

PLA 4530 HPA-LS 3(3,0)
Legal Issues of the Elderly: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.

PLA 4554 HPA-LS 3(3,0)
Environmental Law: PR: or CR: PLA 3014, and PR: Junior Standing, 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-LS 3(3,0)
Cyber Law I: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Analysis of copyright, trademark, and patent issues in cyberspace. Occasional.

PLA 4607 HPA-LS 3(3,0)
Estates and Trusts: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.

PLA 4609 HPA-LS 3(3,0)
Estate Administration: PR: (PLA 4607 and Junior standing) or C.I. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4703 HPA-LS 3(3,0)
Professional Ethics and Liability: PR: or CR: PLA 3014, and PR: Sophomore Standing, or C.I. Ethical responsibilities of professionals, canons of legal ethics, liability for professional malpractice. Fall, Spring.

PLA 4734 HPA-LS 3(3,0)
Advanced Legal Applications Computer Software: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today's law firms and law-related fields. Occasional.

PLA 4764 HPA-LS 3(3,0)
Law Office Practices: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Organization, operation and management of law office. Interviewing techniques and practice application of work that is done in a law office. Occasional.

PLA 4806 HPA-LS 3(3,0)
Domestic Relations Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.

PLA 4813 HPA-LS 3(3,0)
Juvenile Law and Procedure: PR: or CR: PLA 4852, and PR: Junior standing 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-LS 3(3,0)
Sports Law: PR: or CR: PLA 3014, and PR: Junior standing or C.I. An examination of the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.

PLA 4824 HPA-LS 3(3,0)

PLA 4825 HPA-LS 3(3,0)
Entertainment Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4830 HPA-LS 3(3,0)

PLA 4843 HPA-LS 3(3,0)
Immunization Law and Policy: PR: PLA 3014, and Junior standing. Major topics in U.S. immunization law to include the statutory, historical, and procedural foundations of U.S. immunization law and policy. Fall, Spring.

PLA 4861 HPA-LS 3(3,0)
Aviation Law: PR: PLA 3014 and Junior standing, or C.I. The law as it applies to aviation and aerospace activities domestically and internationally, including post-9/11 national aviation policy and emerging technologies (drones). Fall, Spring.

PLA 4864 HPA-LS 3(3,0)
Admiralty and Maritime Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Admiralty jurisdiction and procedure including contracts for carriage of goods, seaman's contracts and claims, collision and salvage law, and wrongful death. Occasional.

PLA 4910 HPA-LS 3(3,0)
Trial Advocacy: PR: 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-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-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.

POR 1120C CAH-LANG 4(3,1)
Elementary Portuguese Language and Culture 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 1220 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 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.

POR 3300 CAH-LANG 3(3,0)
Portuguese Composition: PR: POR 2201 or C.I. Enhance and develop student's ability to communicate in written Portuguese. Spring.

POR 3301 CAH-LANG 3(3,0)
Advanced Portuguese Grammar and Composition: PR: POR 2201 or C.I. Develop student's proficiency in reading and writing the Portuguese Language. Fall.

POR 3413 CAH-LANG 3(3,0)
Advanced Portuguese Oral Communication: PR: POR 2201 or C.I. Develop student's skills at an advanced level, focusing substantially on speaking and listening activities. Spring.

POR 3440 CAH-LANG 3(3,0)
Business Portuguese: PR: POR2201 or C.I. Prepares students for careers in business and other professions involving business activities in Portuguese-speaking environments around the world and in the U.S. Occasional.

POR 3450 CAH-LANG 3(3,0)
Luso-Afro-Brazilian Triangle: PR: POR 3301 or POR 3300 or POR 3413 or C.I. Examines three historical components of the South Atlantic in terms of history, culture, and contemporary political and economic consequences as these influence Lusophone literature. Occasional.

POS 2012 COS-POLS 1(0)
Working in Politics: PR: ENC 1101, or CI. Prepares students for the practical elements of working in politics. Offers professional development in areas such as communication, resume writing, and confidentiality among others. Fall, Spring.

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)
Honors American National Government: PR: Permission of Honors. Same as POS 2041 with honors-level content Occasional.

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)
UCF Courses and Descriptions

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. With Honors content. Occasional.

POS 3182H COS-POLS
3(3,0)

POS 3233 COS-POLS
3(3,0)
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.

POS 3234 COS-POLS
3(3,0)
Protest in American Politics: PR: POS 2041 or C.I. Connections between politics and protest in American politics, including protest impact on policy, and the implications of the generalization of protest for democracy. Occasional.

POS 3235 COS-POLS
3(3,0)
Mass Media and Politics: PR: ENC 1102 or POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.

POS 3235H COS-POLS
3(0,0)
Honors Mass Media and Politics: PR: POS 2041 or C.I., consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. Occasional.

POS 3258 COS-POLS
3(3,0)
Politics in Film: PR: ENC 1102 or POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. Even Fall.

POS 3272 COS-POLS
3(3,0)
Civic Engagement: PR: Junior standing and either PAD 241 or POS 2041 or C.I. Formal and informal civic engagement in the United States across levels of government, sectors of society, and modes of interaction. Even Fall, Even Spring.

POS 3273 COS-POLS
3(3,0)
Voting and Elections: PR: POS 2041 or C.I. Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. Occasional.

POS 3413 COS-POLS
3(3,0)
The American Presidency: PR: ENC 1102 or 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.

POS 3424 COS-POLS
3(3,0)
Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change; emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. Fall.

POS 3443 COS-POLS
3(3,0)
Congressional Elections: PR: POS 2041 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reforms, legislative and executive roles. Occasional.

POS 3463 COS-POLS
3(3,0)
Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economic, ideological, and citizen groups. Political action committees; and the proliferation of interest organizations over the past quarter century. Occasional.

POS 3703 COS-POLS
3(3,0)
Scope and Methods of Political Science: PR: POS 2041 or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. Fall, Spring.

POS 3703H COS-POLS
3(0,0)
Honors Scope and Methods: PR: POS 2041 and consent of Honors. Scope and methodology of political analysis. Extensive examination of the discipline, research design, analysis process, methods of investigation and analysis, survey research, sampling, qualitative research, and ethical considerations. Occasional.

POS 3733 COS-POLS
3(3,0)
Designing Political Science Research: PR: POS 2041 or C.I. Design and methodology of political science research, sampling, qualitative research, and ethical considerations. Fall.

POS 3949 COS-POLS
0(0,8)

POS 4023 COS-POLS
3(3,0)
The Politics of LGBT+ Policy: PR: ENC 1102. Examines LGBT+ policy in US. Topics include political activism, civil rights, socio-political backlash, political behavior and representation, marriage equality and other LGBT+ policies. Occasional.

POS 4030 COS-POLS
3(3,0)
The Politics of Sports: PR: POS 2041 or C.I. Formal and informal processes, campaigns, institutional and political interventions in sports regulation, the politics of sports arenas and teams, and civic and political engagement through sports. Occasional.

POS 4074 COS-POLS
3(3,0)
Latino Politics: PR: POS 2041 or C.I. Political characteristics of the US Latino community in the United States and its impact on U.S. national and international politics and policies. Occasional.

POS 4142 COS-POLS
3(3,0)
Metropolitan Politics: PR: POS 2041 or C.I. Analysis of political processes and issues in major American communities. Intergovernmental relations and structural and political arrangements in the existing and emerging metropolitan areas. Occasional.

POS 4204 COS-POLS
3(3,0)
Political Behavior: PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. Occasional.

POS 4206 COS-POLS
3(3,0)
Political Psychology: PR: ENC 1102 or POS 2041 or C.I. 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.

POS 4244 COS-POLS
3(3,0)
Political Socialization: PR: POS 2041 or C.I. Examines acquisition and development of political values, beliefs, attitudes, and opinions; how individuals learn about politics; and influences on political development, behavior, and opinion. Occasional.

POS 4284 COS-POLS
3(3,0)
Judicial Process and Politics: PR: ENC 1102 or POS 2041 or C.I. Study of the formal and informal judicial process, legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior. Fall, Odd Spring.

POS 4412 COS-POLS
3(3,0)

POS 4603 COS-POLS
3(3,0)
American Constitutional Law I: PR: ENC 1102 or POS 2041 or C.I. Development of American federalism and national power, commerce clause, and nationalization of interstate commerce. Fall.

POS 4604 COS-POLS
3(3,0)
American Constitutional Law II: PR: ENC 1102 or POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.

POS 4622 COS-POLS
3(3,0)
Politics and Civil Rights: PR: ENC 1102 or POS 2041 or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865. Occasional.

POS 4623 COS-POLS
3(3,0)
Guns, Freedom and Citizenship: PR: POS 2041, or C.I. Examines the relationship between individual gun ownership and the meaning of freedom, citizenship, and rights in the United States and selected countries. Occasional.

POS 4700 COS-POLS
3(3,0)
Teaching American Politics and Government: PR: POS 2041 or C.I. Overview of teaching and learning U.S. and Florida politics and government in elementary, middle and high school focusing on Florida civics and government benchmarks. Fall.

POS 4764 COS-POLS
3(3,0)
GIS for Political Analysis: PR: POS 2041 and ENC 1102. Use of mapping and other spatial methods in political science research. Occasional.

POS 4941 POS-COL
3(0,3)
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.

POS 4961 COS-POLS
0(0,0)
Exit Exam: PR: POS 2041 and Senior Standing. Complete the departmental exit exam during the semester of graduation. Fall, Spring.

POT 3204 COS-POLS
3(3,0)
American Political Thought: PR: ENC 1102 or POS 2041 or C.I. From its roots to the 20th century, including liberalism, puritanism, the Federalist, the rise of industrialism, resulting social movements, modern variations. Odd Fall.

POT 3302 COS-POLS
3(3,0)

POT 4003 COS-POLS
3(3,0)
Political Theory: PR: ENC 1102. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field. Occasional.

POT 4025 COS-POLS
3(3,0)

POT 4066 COS-POLS
3(3,0)

POT 4109 COS-POLS
3(3,0)
Politics and Literature: PR: Junior standing or C.I. An examination of politics and the political process through the medium of literature. Occasional.
PSY 3022C COS-PSYCH 3(3,0) 

PSY 3202C COS-PSYCH 3(3,0) 

PSY 3213C COS-PSYCH 5(3,2) 
Research Methods in Psychology: PR: PSY 2012, PSY 3204C, 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.

PSY 3214C COS-PSYCH 3(3,0) 

PSY 3320C COS-PSYCH 3(2,2) 

PSY 3625 COS-PSYCH 3(3,0) 
Science and Pseudoscience in Psychology: PR: PSY 2012 or C.I. Critically evaluates fringe-science, paranormal, and otherwise unusual beliefs about human behavior. Occasional.

PSY 3630 COS-PSYCH 3(3,0) 

PSY 3951 COS-PSYCH 1-9(3-0) 
Undergraduate Field Work: PR: Senior standing and C.I. Placement in a community agency for supervised experience in applications to psychology to community problems. Graded S/U. May be repeated for credit. Fall, Spring.

PSY 4025 COS-PSYCH 3(3,0) 
The Psychology of Art: PR: or CR: ARH 2050 or ARH 2051, or any ART prefix course. Discussion of the psychological perspectives on art to gain a greater understanding of art appreciation. Occasional.

PSY 4049 COS-PSYCH 2(2,0) 
Psychology Capstone: PR: PR or CR: PSY 3002 and PSY 3213C and PSY 4049, and Psychology Major. Senior level research and apply knowledge in core areas of psychology to cutting edge research in applied disciplines. Graded S/U. Fall, Spring.

PSY 4215C COS-PSYCH 4(3,2) 

PSY 4215C COS-PSYCH 4(3,2) 

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) 
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 4860 COS-PSYCH 3(3,0) 

PSY 4942 COS-PSYCH 3(3,0) 
Instructional Experiences in Undergraduate Psychology: PR: PSY 2012 and C.I. Prepares undergraduate students to more effectively learn psychology concepts by facilitating learning in variety of university psychology classrooms and labs. Graded S/U. 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 programs, 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 3204 COS-POLS 3(3,0) Sustainability: PR: ENC 1102 or Junior standing. Environmental politics through the lens of “sustainability.” Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 3314 COS-POLS 3(3,0) Minorities in American Politics: PR: ENC 1102 or POS 2041 or C.I. Historical and contemporary role of minorities in American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. 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 4209 COS-POLS 3(3,0) Urban Environmental Policy: PR: ENC 1102 or POS 2041 or C.I. Urban political landscape explored by tracing their development and prospects for sustainable cities. Occasional.

PUP 4323 COS-POLS 3(3,0) Women and Public Policy: PR: POS 2041 or ENC 1102, 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 decision-making, education funding, and the politics of education reform. Occasional.

PUP 4503 COS-POLS 3(3,0) Government and Science: PR: ENC 1102 or POS 2041 or C.I. Examination of interface between science and government. Focus is upon governmental support for scientific endeavors and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510 COS-POLS 3(3,0) Space Policy: PR: ENC 1102. 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 4744 COS-POLS 3(3,0) Government and Business: PR: ENC 1102. 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: PR: ENC 1102 or POS 2041, or C.I. Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be used in degree program a maximum of 2 times. Occasional.

PUP 3004 COS-COMM 3(3,0) Public Relations and Society: PR: One of the following; SPC 1608, SPC 1603C, COM 1000, or C.I. The important role public relations has played in the development of contemporary society. Occasional.
### UCF Courses and Descriptions

#### RTV 3571C COS-COMM
3(2,1)
**Advanced Video Post-Production:** PR: RTV 3531C and RTV Major - Production Specialization. Advanced post-production techniques for analog and digital video, including A/B roll time code editing, digital video effects, electronic graphics, and non-linear video editing. Students should expect significant work in the RTV lab facility outside of class. Fall, Spring.

#### RTV 3581C COS-COMM
3(2,1)
**Lighting for Video:** PR: RTV 3543C or RTV 3531C, and RTV Major - Production Specialization. Basic lighting techniques for both studio and location, single and multi-camera video production. Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee $20.00

#### RTV 3590C COS-COMM
3(2,1)
**Production of Interactive Multimedia:** PR: CGS 100IC, major status in R-TV, Ad-PR, Journalism, Organizational and 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. Fall, Spring.

#### RTV 3601C COS-COMM
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 professional announcer. Techniques for analysis 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 the class. Fall, Spring. M&S fee $10.00

#### RTV 3912 COS-COMM
3(3,0)
**Collaborative Experiential Research Practicum:** PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times.

#### RTV 3942L COS-COMM
1-3(0-3-9)
**Television Directing:** PR: C.I. Students who have completed either RTV 3556C, RTV 3543C, or RTV 3531C. Student will serve in some position of responsibility for UCF Weekly News or other RTV program. Graded S/U. May be repeated for credit.

#### RTV 4403 COS-COMM
3(3,0)
**Electronic Media, Technology, and Society:** PR: MMC 2004 and Journalism major, or PR or CR: RTV 3007; or C.I. Theories of mass communication, mass communication history, and emerging communication technologies, including digital media. Fall, Spring.

#### RTV 4503 COS-COMM
3(3,0)
**Sports Programming in Electronic Media:** PR: Either SPC 1608, COM 1000, RTV 3007, or C.I. Factors that determine how sporting events are constructed for programming on broadcast stations, cable television, and other forms of electronic media. Fall.

#### RTV 4505 COS-COMM
3(2,1)
**Program Issues for TV & Motion Pictures:** PR: RTV 3007 or FIL 2030 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 4544 COS-COMM
4(4,0)
**Advanced Studio Production:** PR: RTV 3531 and RTV 3543C and PR or CR: RTV 3071; or C.I. Advanced techniques in production and directing television programs and video projects both in-studio and on-location. Fall, Spring.

#### RTV 4557C COS-COMM
3(2,1)
**Audio Production II:** PR: RTV 3566C and RTV Major - Production Specialization. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

### RUS Courses

#### RUS 3760 CAH-LANG
3(3,0)
**Advanced Russian Oral Communication:** PR: RUS 2201 or equivalent. Vocabulary building with systematic training in diction and pronunciation. Practice of oral presentations as well as production and delivery of real-life dialogues. Occasional.

#### RUT 3505 CAH-LANG
3(3,0)
**Russian Culture and Civilization:** PR: ENC 1102 or C.I. Russian culture and civilization through a variety of topics and media. Occasional.

#### SCC 3003 HPA-CJ
3(3,0)
**Physical Security:** PR: SCC 3311 or C.I. Concepts and procedures for the development, implementation, and management of a physical security program and its application to assets protection. Occasional.

#### SCC 3311 HPA-CJ
3(3,0)
**Security Administration:** Discussion of modern security administration and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.

#### SCC 3316 HPA-CJ
3(3,0)
**Special Security Problems:** PR: SCC 3311 or C.I. Application of basic security skills to specialized settings, including security at retail, transportation/security, utility services, computer security, and other special security situations. Occasional.

#### SCE 3310 ED-TL&L
3(3,0)
**Teaching Science in Elementary School:** PR: EDG 4410 or C.I. RUT 3505 or CR: SCC 3316. Selected concepts and strategies for organizing instruction; techniques; evaluation procedures. Fall, Spring. M&S fee $10.00

#### SCE 3404 ED-CFCS
3(3,0)
**Teaching Science and Technology to Young Children:** Provides the knowledge and skills needed to plan and implement a discovery science/technology program for young children in an integrated, interactive curriculum. Fall.

#### SCE 3460 ED-TL&L
4(4,0)
**Science Instructional Analysis:** PR: EDG 4410 or C.I. C.I. Concepts. Introduces students to current research on the study and design of educational programs for the elementary school. M&S fee $10.00

#### SCE 3461 ED-TL&L
3(3,0)
**Programs in Teaching Science:** PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs; strategies, and materials for middle and secondary school science education majors. Spring.

#### SCE 3525 ED-TL&L
3(3,0)
**Teaching Middle School Science:** PR: EDG 6415, TSL 5085 or admission to MED program or Initial Teacher Professional Preparation certificate. 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.

#### SCE 5836 ED-TL&L
3(3,0)
**Space and Physical Science for Educators:** PR: Graduate standing or C.I. Introduction to space and physical science, manned space flight, and space education curriculum. Occasional.

#### SLS 1282 ED-CFCS
1(1,0)
**Foundations of American University Life:** PR: C.I. Orientation of international students to American cultural contexts. Success through active learner-centered dynamics. Methods to sustain student success beyond the first year and the university. Fall, Spring.
SLS 1501 ED-CFCS 1-3(1-3,0) Strategies for Success in College: PR: First Time Freshman Standing or C.I. Assist student transition to the University by developing important academic, life, and study skills that promote student success and persistence through first year and beyond. Fall, Spring.

SLS 2311C COM-SSBS 2(2,1) Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.

SLS 2715 ED-CFCS 2(2,0) Peer Educator Leadership: PR: Orientation Team Members or C.I. Training peer educators in helping strategies applicable to their peer leadership positions. Fall, Spring.

SLS 3933 COS-COS 1(3,0) COS New Transfer Seminar: PR: COS Major; First-term transfer student with 60+ hours. Designed to help new transfer students connect, acclimate and succeed at UCF and in the College of Sciences. Students will explore their respective College of Sciences majors, develop relevant skills and discover how or if their major aligns with their goals and intended career. Fall.


SOP 3004 COS-PSYCH 3(3,0) Social Psychology: PR: PSY 2012. Effects of social situations and social variables on the behavior of individuals. Fall, Spring.

SOP 3740 COS-PSYCH 3(3,0) Cross Cultural Psychology: PR: PSY 2012. Exploration of theories, issues, and research concerned with the psychological understanding of under-represented minority groups. Odd Spring.

SOP 3724 COS-PSYCH 3(3,0) Psychology of Prejudice: PR: PSY 2012. Examination of literature relating to prejudice toward groups and individuals, development and maintenance of prejudice, and possible ways to reduce prejudice. Even Spring.

SOP 3742 COS-PSYCH 3(3,0) Psychology of Women: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751 COS-PSYCH 3(3,0) Legal Aspects of Psychology: PR: PSY 2012 or SYG 2000, or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Occasional.

SOP 3784 COS-PSYCH 3(3,0) Psychology of Diversity: PR: PSY 2012. A review of the contributions of psychology to the understanding of human diversity related to ethnic background, gender, sexuality, and belief systems. Occasional.

SOP 5059 COS-PSYCH 3(3,0) Advanced Social Psychology: PR: SOP 3004C, graduate status or senior standing, or C.I. The major findings and theories in social psychology including an in-depth review of relevant research. Occasional.

SOW 2020 HPA-SOWK 3(3,0) Careers in Creating Social Change: Introduces students to the field of social services, with emphasis on the social work profession and other careers that create social change. Fall.

SOW 3104 HPA-SOWK 3(3,0) Human Behavior and the Social Environment I: PR: Junior Standing or C.I. Skill development in assessing "person-in-environment" throughout life cycle. Study interaction of bio-psychosocial, cultural, and systemic influences on human functioning. Open to non-majors and pending social work majors. Fall.

SOW 3111 HPA-SOWK 3(3,0) Human Behavior and the Social Environment II: PR: Admission to BSW Program and 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.

SOW 3284 HPA-SOWK 3(3,0) Social Work Perspectives on Social Justice: PR: Junior Standing or C.I. Examination of the social justice mission of the social work profession. Addresses professional values, the rights of populations served, and justice within practice fields. Fall, Spring.


SOW 3352 HPA-SOWK 3(1,2) Profession I: Interpersonal Skills in Social Work:: PR: SOW 3300 or PR or CR: SOW 3300. Study and practice of interviewing, group leadership, written communication, and oral presentations, in consensus as well as conflictual contexts of social work. Spring.

SOW 3401 HPA-SOWK 3(3,0) Social Work Field Experience: PR: STA 2014C or STA 2023. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice. Spring.

SOW 3620 HPA-SOWK 3(3,0) Culturally Competent Social Work Practice: PR: SOW 3284 and SOW 3104, or PR or CR: SOW 3284. Social work intervention and skill development needed to serve oppressed groups. Spring.

SOW 3740 HPA-SOWK 3(3,0) Social Work Practice with Loss & Life’s Transitions: PR: Junior Standing or C.I. A wide range of losses across the life span will be presented from a strengths perspective. Assessment & intervention recognizing cultural differences will be addressed. Fall.

SOW 4133 HPA-SOWK 3(3,0) Aspects of Sexuality & Spirituality in Social Work Practice: PR: (SOW 3284 and SOW 3620) or C.I. Aspects of sexuality and spirituality as they relate to the social work profession. Addresses personal and professional values in practice. Fall.

SOW 4145 HPA-SOWK 3(3,0) Introduction to Military & Veteran Culture for Social Work Practice: PR: Junior Standing or C.I. SOW 3284 or C.I. An introduction to military life providing specific ways to better understand, communicate, and effectively work with military, veterans, and their families. Fall, Spring.


SOW 4233 HPA-SOWK 3(3,0) Social Work and the Law: PR: Junior Standing or C.I. An overview of the legal system focusing on roles social workers play within the courts and legal processes pertaining to family law, mental health, child welfare. Fall.

SOW 4232 HPA-SOWK 3(3,0) Social Work Practice with Groups: PR: SOW 3104 and Junior Standing. Provide theories and skills of generalist social work practice with small groups in a wide range of social service agencies and with diverse client populations. Spring.

SOW 4341 HPA-SOWK 3(1,2) Micro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving to obtain and improve social welfare resources within organizations and communities. Fall.

SOW 4510 HPA-SOWK 9(0,28) Field Education: PR: Completion of required courses in major. GPA 2.5 in major. CR: SOW 4222. Supervised learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. Spring.

SOW 4515 HPA-SOWK 1-2(1-2,0) Part Time Field Education Seminar: PR: Completion of required social work courses for the major and CR: SOW 4941. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4522 HPA-SOWK 3(2,1) Community Supervision Seminar: PR: Completion of required courses in major. CR: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4602 HPA-SOWK 3(3,0) Social Work in Health Settings: PR: Junior Standing or C.I. Study of social work roles, interventions, and issues related to helping patients in health settings. Fall.

SOW 4645 HPA-SOWK 3(3,0) Social Services for the Elderly: PR: Junior Standing or C.I. Development of interventive skills for obtaining, providing, and improving social services in behalf of elderly persons and their families. Fall.

SOW 4650 HPA-SOWK 3(3,0) Child Abuse: Treatment and Prevention: PR: SOW 3300 and Admission to BSW program or C.I. The social worker’s role and interventions with victims of child abuse. Spring.

SOW 4654 HPA-SOWK 3(3,0) Children’s Services: PR: (Admission to BSW program) or (PR or CR: SOW 3104). Study of societal responses to children’s needs. Development of skills for preventing family breakdown, placing children in alternative care, and reuniting children with their families. Fall, Spring.

SOW 4673 HPA-SOWK 3(3,0) Social Work Practice: The Lesbian, Gay, Bisexual, and Transgendered (+) Experience: PR: SOW 3300, SOW 3350, or C.I. CR: SOW 3620. Sexual orientation and cultural diversity, policies and resources affecting lesbian, gay, bisexual, transgendered (+) people, community based therapeutic and preventive interventions. Even Spring.

SOW 4705 HPA-SOWK 3(3,0) Prevention and Treatment of Adolescent Substance Abuse: PR: Junior Standing. An in-depth review of prevention, intervention, and treatment, recovery and relapse issues and public policies regarding adolescents with substance abuse problems. Even Fall, Spring.

SOW 4706 HPA-SOWK 3(3,0) Intervention with Substance Abusers: PR: Junior Standing. Strategies for working with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.

SOW 4730 HPA-SOWK 3(3,0) Documentation in Social Work Practice: PR: SOW 3300 and SOW 3352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.

SOW 4745 HPA-SOWK 3(3,0) Forensic Social Work Theory and Practice: PR: Junior Standing or C.I. The role of social workers within the courts and criminal justice system. Occasional.
SOW 4794 HPA-SOWK 3(3,0)
Social Work with Immigrants and Refugees: PR: SOW 5202 and Junior Standing, or C.I. Social work practice with immigrants and refugees, specifically addressing social policies, programs and legal issues impacting from a national and an international perspective. Fall.

SOW 4148 HPA-SOWK 3(3,0)
Introduction to Military & Veteran Counseling and Social Work Practice: PR: Junior standing; CR: SOW 3284 or C.I. An introduction to military life providing specific ways to better understand, communicate, and effectively interact with military, veterans, and their families. Occasional.

SOW 5105 HPA-SOWK 3(3,0)
Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity. Fall.

SOW 5106 HPA-SOWK 3(3,0)
Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. Spring.

SOW 5107 HPA-SOWK 3(3,0)
Human Behavior in the Social Environment: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals, groups, families and communities with particular attention to implications of human diversity. Fall, Spring.

SOW 5132 HPA-SOWK 3(3,0)
Diverse Client Populations: Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. Spring.

SOW 5140 HPA-SOWK 3(3,0)
Military and Veteran Culture with Historical Frameworks: PR: Admission to Master of Social Work program or C.I. Thorough analysis of military and veteran systems. Provides the frameworks to assist social workers in better understanding, communicating and practicing with veterans and their families. Spring.

SOW 5217 HPA-SOWK 3(3,0)
Foundations of Behavioral Health Policy and Social Work Practice: PR: Admission to MSW program. In-depth examination of the social problems and social work practice issues involved in addressing mental health and human services issues. Fall, Spring.

SOW 5235 HPA-SOWK 3(3,0)
Social Welfare Policies and Services: Study of social responses to human needs, forces shaping social welfare systems, and 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 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 5538 HPA-SOWK 3(3,0)
Full-Time MSW Generalist Field Education and Seminar I: PR: Admission to Master of Social Work program or C.I. SOW 5305. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 200 clock hours. Graded S/U. Fall.

SOW 5539 HPA-SOWK 3(3,0)
Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5538; CR: SOW 5306. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 200 clock hours. 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 5930 HPA-SOWK VAR
Generalist Field Integrative Seminar: PR: Admission to MSW program; CR: Generalist Field Education Field education seminar course for full-time or part-time MSW generalist students. Fall, Spring.

SOW 5940 HPA-SOWK VAR
Generalist Field Education: PR: Admission to MSW program Field education for Master of Social Work generalist students; includes seminar and supervised practice of social work in an agency for 200 clock hours. Fall, Spring.

SPA 3011 HPA-COM SC&DIS 3(3,0)
Speech Science I: Production: PR: SPA 3112. CR: SPA 3011L. Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.

SPA 3011L HPA-COM SC&DIS 1(0,1)
Speech Production Lab: PR: SPA 3112, CR: SPA 3011L. Physiological and acoustic measurement of speech production Graded S/U.

SPA 3010 HPA-COM SC&DIS 3(3,0)
Physiological Bases of Speech and Hearing: PR: or CR: SPA 3011. Introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.

SPA 3014 HPA-COM SC&DIS 3(3,0)
Neural Bases of Communication: PR: or CR: SPA 3011L. Structures and functions of the nervous system involved in communication and its disorders. Fall, Spring.

SPA 3012 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.

SPA 3122L HPA-COM SC&DIS 1(0,1)

SPA 3123 HPA-COM SC&DIS 3(3,0)
Speech Science II: Perception: PR: SPA 3112, SPA 3111L. CR: SPA 3122L. How the perception of human speech differs from that of other auditory signals. Fall, Spring.

SPA 3123L HPA-COM SC&DIS 1(0,1)

SPA 3412 HPA-COM SC&DIS 3(3,0)
Brain Stories: A Communication Disorders Perspective PR: SPA 3471 (may be taken as corequisite) or PSY 2012 or C.I. A case study approach to communicative-cognitive disorders due to brain injury Fall, Spring.

SPA 3471 HPA-COM SC&DIS 3(3,0)
Communication Disorders in Language and Media: PR: PSY 2012 or SYG 2000. Exploration of communication disorders in literature and media, emphasizing psychosocial, academic, vocational, and familial challenges as well as society's perceptions of individuals with communication disorders. Fall, Spring.

SPA 3472 HPA-COM SC&DIS 3(3,0)

SPA 4032 HPA-COM SC&DIS 3(3,0)
Audiology: PR: SPA 3101 and Junior Standing, or C.I. Physics of sound, anatomy of hearing mechanism, hearing disorders, and improving system responsiveness to human needs. Fall, Spring.

SPA 4241 HPA-COM SC&DIS 3(3,0)

SPA 4321 HPA-COM SC&DIS 3(3,0)

SPA 4326 HPA-COM SC&DIS 3(3,0)
Hearing Disorders Across the Lifespan: PR: SPA 3123, SPA 4032 and Senior Standing, or C.I. Primary and secondary consequences of hearing loss across the lifespan, including hearing impairments and communication limitations. Fall, Spring.

SPA 4400 HPA-COM SC&DIS 3(3,0)
Language Disorders Across the Life Span: PR: LIN 3716 and Junior Standing, or C.I. Etiology, phonetic, phonologic, and management of language disorders in children, adolescents, and adults, including those associated with autism, traumatic brain injury, learning disabilities, and dementia. Fall, Spring.

SPA 4476 HPA-COM SC&DIS 3(3,0)
Speech Disorders Across the Lifespan: PR: SPA 3100 and SPA 3123 or C.I. A case study approach to communicative-cognitive disorders due to brain injury in the area of communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4478 HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Disorders & Differences: PR: LIN 3716, Senior Standing, or C.I. Cultural and linguistic diversity among individuals with communication disorders and differences. Fall, Spring.

SPA 4555 HPA-COM SC&DIS 3(3,0)
Counseling in Communication Disorders: PR: SPA 3471 or C.I. Practical counseling and counseling in the area of communication disorders. Fall, Spring.

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 2014C or STA 2023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall,Spring.

SPA 4870CG HPA-COM SC&DIS 3(2,1)
Capstone Course: Consent of instructor: All required HPA-COM courses. 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: CR: SPA 4326 and senior standing. Supervised interaction and planned activities with individuals experiencing problems with hearing, balance, or the disorders of hearing in community settings including clinics, hospitals, etc. Course may be repeated for credit up to two times. Fall, Spring.

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.

SPB 3003 BA-BA 3(3,0)
Introduction to Sport Business Management: PR: Sophomore Standing. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. Fall, Spring.

SPB 3603 BA-BA 3(3,0)
Diversity and Social Issues in Sport Business Management: PR: SPB 3003 with a C (2.0) or better. Diversity, social issues, social responsiveness, and financial performance in professional, collegiate, and Olympic sport. Occasional.

SPB 3823 BA-BA 3(3,0)
The Role of Business Entrepreneurship in Sports/Entertainment: PR: SPB 3003 with a C (2.0) or better. Analyzes business entrepreneurship in sport/entertainment by examining various entrepreneurs and cultural movements in business organizations. Theories/concepts of business and entrepreneur behavior are applied. Occasional.

SPB 4304 BA-BA 3(3,0)
Sports Event and Facility Management: PR: SPB 3003 with a C (2.0) or better. The principles of facility event management in sport business and their applications in professional, collegiate, and Olympic sport. Occasional.

SPB 4804 BA-BA 3(3,0)
Sport Business and Media: PR: SPB 3003 with a C (2.0) or better. The structure and evolution of the interrelationship between sport and media and their business implications. Occasional.

SPC 1603C COS-COMM 3(1,5,1.5)
Fundamentals of Technical Presentations: PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering technical information in public speaking situations. Fall, Spring.

SPC 1603H COS-COMM 3(3,0)

SPC 1608 COS-COMM 3(3,0)
Fundamentals of Oral Communication: PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering public speeches. Fall, Spring.

SPC 1608H COS-COMM 3(3,0)

SPC 2942 COS-COMM 1-3(1-3,0)
Debate Practicum: Training and participation in intercollegiate debate and/or S.U. May be used in the degree program a maximum of 3 times. Occasional.

SPC 3301 COS-COMM 3(3,0)
Interpersonal Communication: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or CI Nature of the communication process; variables affecting the process and the individuals involved. Analysis of communication models, interactive behavior, situational cues, verbal and non-verbal messages. Fall, Spring.

SPC 3445 COS-COMM 3(3,0)
Leadership Through Oral Communication: PR: or CR: COM 3311 or COM 3003, or C.I. Investigation of leadership in oral communication situations, principles of effective leadership, and leadership in problem solving. Fall, Spring.

SPC 3513C COS-COMM 3(1,2)
Argumentation and Debate: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or CI. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SPC 3513H COS-COMM 3(3,0)
Honors Argumentation and Debate: PR: Consent of Honors and one of the following: SPC 1608, SPC 1603C, COM 1000, or CI. Advanced study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SPC 4331 COS-COMM 3(3,0)
Nonverbal Communication: PR: or CR: COM 3311 or COM 3003, or C.I. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, language, communication, and paralanguage. Lectures are supplemented by frequent nonverbal exercises. Fall, Spring.

SPC 4426 COS-COMM 3(3,0)
Group Dynamics: PR: or CR: COM 3311 or COM 3003, or C.I. Human behavior in group situations. Fall, Spring.

SPC 4540 COS-COMM 3(3,0)

SPC 4545 COS-COMM 3(3,0)
Public Relations in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3130 ED-E&HS 3(3,0)
Aquatice And Exercise Science: PR: Admission to the Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3204 ED-E&HS 3(3,0)
Sports and Ethics: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3315 ED-E&HS 3(3,0)
Public Relations in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science Program or Community Sport and Fitness Minor, and minimum overall 2.5 GPA. Examination of the role of public relations and media with specific application to sport and exercise science professionals. Fall, Spring.

SPM 3504 ED-E&HS 3(3,0)
Fiscal and Facilities Issues in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science Program or Community Sport and Fitness Minor, and minimum overall 2.5 GPA. Examination of the role of public relations and media with specific application to sport and exercise science professionals. Fall, Spring.

SPM 4723 ED-E&HS 3(3,0)
Legal Issues in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Examination of the role of public relations and media with specific application to sport and exercise science professionals. Fall, Spring.

SPM 5155 ED-E&HS 3(3,0)
Introduction to Sports Administration: PR: Consent of Communication. An introduction to the sports industry. Fundamental leadership administration and research theories as well as information on current issues are emphasized. Occasional.

SPN 5308 ED-E&HS 3(3,0)
Marketing and Promoting Sports and Fitness Programs: PR: Consent of Communication. An introduction to the role of marketing and promotion in all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

SPN 5506 ED-CFCS 3(3,0)

SPN 1120C CAH-LANG 4(4,1)
Honors Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduces the student to Spanish culture through the major languages of Spanish-speaking countries: listening, speaking, reading, and writing. Open only to students with no experience in this language. Honors-level content. Occasional.

SPN 1120C CAH-LANG 4(4,1)
Honors Elementary Spanish Language and Civilization II: PR: Permission of Honors and SPN 1120C or equivalent. Same as SPN 1121C with honors-level content. Occasional.

SPN 1150C CAH-LANG 4(4,4)
Intensive Beginning Spanish: Combines SPN 1120C and SPN 1121C in an intensive one-semester unit. Emphasis on speaking, listening, reading, and writing Spanish. For students with little or no background in the language. Occasional.

SPN 2200 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization II: PR: Permission of Honors and SPN 1120C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

SPN 2200H CAH-LANG 3(3,1)
Honors Intermediate Spanish Language and Civilization II: PR: Permission of Honors and SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. Fall.

SPN 2201 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization II: PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. Occasional.

SPN 2340 CAH-LANG 3(3,0)
Spanish for Native Speakers: PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language. Occasional.

SPN 2341 CAH-LANG 3(3,0)
Advanced Spanish for Native Speakers: PR: SPN 2340 or C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. Occasional.
Exercise and Culture: PR: SPN 2201 or C.I. A study of cultural aspects of the Spanish-speaking world.

SPN 4510 CAH-LANG (3.0)
Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from Pre-Roman times to the present. Conducted in Spanish. Occasional.

SPN 4520 CAH-LANG (3.0)
Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. An overview of the cultures in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

SPN 4780 CAH-LANG (3.0)
Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.

SPN 4800 CAH-LANG (3.0)

SPN 4801 CAH-LANG (3.0)
Spanish Morphology: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Types of roots, affixes and words resulting from morphological rules in Spanish, covering the nominal, ajectival, verbal, pronominal, and adverbial domains, and acronyms. Occasional.

SPN 4850 CAH-LANG (3.0)
Structure of the Spanish Language: PR: SPN 3760, SPN 3420, SPN 3760, or C.I. Linguistic theory applied to analysis of Spanish language. Includes systematic study of sound patterns, semantics, word formations, and socialization. Occasional.

SPN 4852 CAH-LANG (3.0)

SPN 5502 CAH-LANG (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 (3.0)
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 (3.0)
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 (3.0)
Introduction to Spanish Linguistics: PR: Graduate status or senior standing or C.I. An introduction to the main concepts and methods of analysis focusing on Spanish morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. Occasional.

SPN 5825 CAH-LANG (3.0)
Spanish Dialectology: PR: Graduate status or senior standing or C.I. This course is a survey of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influences, and historical development. Occasional.

SPN 5845 CAH-LANG (3.0)
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 (3.0)
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.

SFS 5177 ED-CFCS (3.0)
Enhancing Individual and Student Development: PR: Graduate status or senior standing or C.I. Students will understand IQ malleability and methods of enhancing IQ. Students will analyze acquisition of knowledge gained from methods of scientific inquiry regarding individual differences. Even Spring.

SFS 5605 ED-CFCS (3.0)
Building and Improving Relationship and Emotional Intelligence: PR: Graduate standing or C.I. Students will learn to develop and improve relational and emotional intelligence and demonstrate an understanding of social emotional learning and how it enhances psychosocial wellbeing. Odd Spring.

SPT 3414 CAH-LANG (3.0)
Spanish for Tourism I: PR: SPN 3420. Students will learn to speak and understand Spanish specific for the tourism industry including field-specific techniques of communication, multicultural environments, an understanding of the Spanish culture, and the needs of bilingual individuals. Occasional.

SPT 3800 CAH-LANG (3.0)
Spanish Translation and Interpretation: PR: SPN 3420, or C.I. Introduction to translation and interpretation, practical application of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

SPT 3805 CAH-LANG (3.0)
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 (3.0)
Medical Spanish Translation/Interpretation: PR: SPN3420, or C.I. Basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. Odd Fall.

SPT 3820 CAH-LANG (3.0)
Computer Assisted Translation Tools: PR: SPN 3420 or C.I. Provides hands on experience with CAT (Computer Assisted Translation) tools that external translation and interpretation agencies require in their hiring profiles. Occasional.

SPT 3831 CAH-LANG (3.0)
Spanish Legal Translation and Interpretation: PR: SPN3420, or C.I. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. Even Fall.

SPT 4801 CAH-LANG (3.0)

SPW 3000H CAH-LANG (3.0)
Honors Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and C.I. Focus on the history and culture of Latin America and the Spanish-speaking world through the lens of the Nobel Prize winners. Even Spring.

SPW 3100 CAH-LANG (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 (3.0)
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 4272 CAH-LANG 3(3,0) 20th Century Spanish Novel: PR: SPW 3101 or SPW 3131 or C.I. Major works by the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.


SPW 4322 CAH-LANG 3(3,0) Contemporary Iberian Theatre: PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

SPW 4364 CAH-LANG 3(3,0) Latin-American Narrative Essay: PR: SPW 3131 or SPW 3310 or SPW 3330 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 4372 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 4381 CAH-LANG 3(3,0) Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3101 or SPW 3130 or SPW 3311 or SPW 3310, or C.I. Study of Latin-American Theatre/Poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4382 CAH-LANG 3(3,0) Central American Literature: PR: SPW 3131 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary works within Central America literary history. Taught in Spanish. Occasional.

SPW 4400 CAH-LANG 3(3,0) Spanish Medieval Literature: PR: SPW 3130 or C.I. This course covers the main works of the Spanish Medieval literature and culture with emphasis on contemporary adaptations of the themes in theatre and film. 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. Survey of the development of the major movements in the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SPW 4773 CAH-LANG 3(3,0) Puerto Rican Literature: PR: SPW 3100 and SPW 3101 or SPW 3310 and SPW 3311. Puerto Rican Literature from XIX Century to present. Conducted in Spanish. Occasional.

SPW 5741 CAH-LANG 3(3,0) Contemporary Spanish American Southern Cone Literature: PR: Enrolled in Spanish M.A. Program or C.I. Regional as well as international literary cultures and disciplines in southern cone literature. Occasional.

SSE 3312 ED-TL&L 3(3,0) Teaching Social Science in the Elementary School: PR: EDG 4410 or C.I. Selected themes, pro's and cons of organizing for instruction, techniques; evaluation procedures. Fall, Spring.

SSE 4232 ED-TL&L 3(3,0) Teaching Civics in Florida: PR: POS 2041 and admission to Civics Teaching Certificate. Pedagogical skills for teaching civics including state mandates for teaching middle school civics and preparing middle school students for the Civics End of Course Assessment. Spring.


SSE 4395 ED-TL&L 3(3,0) Teaching with Primary Sources: PR: Minimum 2.5 overall GPA. This course focuses on the creation, teaching, and evaluation of effective instructional practices that integrate primary sources into the teaching of social studies content. Occasional.

SSE 4936 ED-TL&L 3(3,0) Programs in Teaching Social Science: PR: Admission to the Bachelor of Science in Social Science Education program. Special programs, strategies, and materials for middle and secondary social science majors. Fall.

SSE 5391 ED-TL&L 3(3,0) Global Education: Theory and Practice: PR: Graduate standing or C.I. Examines the theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. Spring.

SSE 5776 ED-TL&L 3(3,0) Democracy and Education: PR: Graduate standing or C.I. Explores the intersection of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. Fall.

SSE 5790 ED-TL&L 3(3,0) Inquiry and Instructional Analysis in Social Science Education: PR: EDG 6415 or admission to Teacher Leadership M.Ed program or initial Teacher Professional Preparation certificate. Study of instructional programs in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. Occasional.

STA 1063C COS-STAT 2(3,1) Basic Statistics Using Microsoft Excel: Applications of Excel; manipulating data; single variable graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.

STA 2014C COS-STAT 2(3,1) Principles of Statistics: Introduction to statistical concepts, modern society: Basic principles, frequency distributions, measures of location and dispersion, probability, statistical inference. The "NC" grading policy applies to this course. Fall, Spring.

STA 2023 COS-STAT 3(3,0) Statistical Methods I: PR: MGF 1106 or any other C.I. First methods course introducing probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3,0) Honors Statistical Methods I: PR: Permission of Honors Calculus desired by not necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-EMS 3(3,0) Probability and Statistics for Engineers: PR: MAC 2312 with a grade of "C" (2.0) or better. Axioms of probability; combinational and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3032C ECS-EMS 3(3,0) Honors Probability and Statistics for Engineers: PR: MAC 2312 with a grade of "C" (2.0) or better and honors standing. Fundamental probability statistics concepts and the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 4102 COS-STAT 3(3,0) Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.

STA 4130 COS-STAT 3(3,0) Life Contingencies I: PR: STA 4183 (or old number STA 3183). Economics of insurance, utility theory, single premiums for insurance and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.

STA 4131 COS-STAT 3(3,0) Life Contingencies II: PR: STA 4130 (or old number STA 3130). Multiple-decrement and multi-life models. Insurance models including expenses, modified reserves. Cash values, insurance options and asset shares. Non forfeiture benefits and dividends. Spring.

STA 4133 COS-STAT 3(3,0) Loss Models I: PR: MAC 2313 and STA 4322. Distributional quantities, characteristics of actuarial models, continuous models, discrete distributions, frequency and severity with coverage modifications, aggregate Loss models, estimation for modified data, frequentist estimation. Fall.


STA 4163 COS-STAT 3(3,0) Statistical Methods II: PR: STA 2023 or STA 2032 or STA 4322. Analysis of data, statistical models, estimation, tests of hypotheses, regression and correlation, introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.

STA 4163H COS-STAT 3(3,0) Honors Statistical Methods II: PR: STA 2034; Consent of Honors Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, introduction to analysis of variance, and nonparametric methods. With honors content. Occasional.

STA 4164 COS-STAT 3(3,0) Statistical Methods III: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.
UCF Courses and Descriptions


SYO 3410H COS-SOC 3(3,0) Honors Patterns of Mental Health in Society: PR: Consent of Honors or C.I. A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. With Honors content. Occasional.

SYO 3430 COS-SOC 3(3,0) Social Power and Inequality: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Study of class, status and power, cultural variations in stratification systems; patterns of mobility and change. Occasional.

SYO 3573 COS-SOC 3(3,0) Social Networks: Theory & Applications: PR: SYG 2000, ANT 2000, PSY 2012, or Junior Standing. Patterns of social relations among social actors within a defined population are demonstrated allowing students to better understand the theory and application of social networks. Occasional.

SYO 4100H COS-SOC 3(3,0) Honors Family Trends: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Intimate relationships, practices, and issues affecting today’s marriages and families. Fall, Spring.


SYO 4200 COS-SOC 3(3,0) Religion in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. The relationship between the religious institution and social stratification, family, education, as well as issues pertaining to gender, race, ethnicity, and age. Occasional.

SYO 4250 COS-SOC 3(3,0) Education and Social Achievement: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. This course examines the sociological dimensions of the educational institutions, including the impact of the social structure on learning and the role of education in social change. Occasional.

SYO 4300 COS-SOC 3(3,0) Political Sociology: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Sociological analysis of political and parapolitical groups; socioeconomic variable of voting behavior, power elites; societies and systems of government. Occasional.

SYO 4323 COS-SOC 3(3,0) Community and Diversity: PR: One of SYG 2000, ANT 2000, PSY 2012, or 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.

SYO 4400H COS-SOC 3(3,0) Honors Medical Sociology: PR: Consent of Honors or C.I. Analysis of patient behavior, health practitioners, the social organization of health services, and delivery of health care. With Honors content. Occasional.


SYO 4402 COS-SOC 3(3,0) Sociology of Health and Illness Behavior: PR: One of SYG 2000, ANT 2000, or PSY 2012, or Junior standing. The social construction of health and illness, and social factors that shape health and illness behavior (e.g., subjective experience of illness, patient-doctor interaction, and coping with disability). Occasional.

SYO 4424 COS-SOC 3(3,0) Men, Masculinities, and Health: PR: SYG 2000, ANT 2000, PSY 2012 or Junior Standing. Explores how masculine gendered identities at various stages during the lifespan intersect with health, illness, and disease. Odd Fall.


SYO 4429 COS-SOC 3(3,0) Social Identities & Health: PR: SYG 2000, ANT 2000, PSY 2012, or Junior standing. Explores health sociologically as it exists in the U.S. at the intersections of gender, race, ethnicity, age, class, sexual orientation and society. Occasional.

SYP 3300 COS-SOC 3(3,0) Power, Groups, and Social Action: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Analysis of relatively unstructured social situations, such as mobs, crowds, etc. as well as more structured forms of collective behavior such as social movements. Occasional.

SYP 3323 COS-SOC 3(3,0) Video Games in Society: PR: SYG 2000, SYG 2010 or Junior Standing. Sociological perspectives on video games as interactive digital entertainment, including theoretical approaches with respect to gender, race, violence, and capitalism as they relate to gaming. Occasional.


SYP 3351 COS-SOC 3(3,0) Sociology of Murder: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. An analytical study of murder in the U.S.; topics include different types of homicides, offenders, victims, and circumstances. Fall.


SYP 3353 COS-SOC 3(3,0) Juvenile Delinquency: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Types of delinquency behavior found among juveniles; possible causes and ways society attempts to treat the various forms of delinquency. Occasional.

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THE 3333 CAH-THEA 3(3,0) Shakespeare Skills: PR: Grade of "C" (2.0) or better in THE 1100C. Course not allowed for BFA Theatre Acting Majors. Study of Shakespeare's heightened language, scansion, and text from a theatrical point of view. Occasional.

THE 3383 CAH-THEA 3(3,0) Taboo Theatre: Sex & Violence on Stage: PR: ENC 1100. Dramatic literature with taboo topics and their impact on the storytelling and entertainments of today. Occasional.

THE 3549 CAH-THEA 3(3,0) Topics in Theatre Studies : PR: Theatre Major or Minor. PR or CR. THE 3312. In-depth study and application of a specific theatre studies topic. Occasional.

THE 4093L CAH-THEA 1(0,VAR) Theatre Practicum-Management II: PR: Theatre major or minor; "C" (2.0) or better in THE 2925L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 4212 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 4230 CAH-THEA 3(3,0) Cultural Diversity in Theater: 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 4244 CAH-THEA 3(3,0) Musical Theatre History I: PR: B.F.A. Musical Theatre major, "C" (2.0) or better required in THE 2081C. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1950s. Fall.

THE 4245 CAH-THEA 3(3,0) Musical Theatre History II: PR: BFA Musical Theatre major, C (2.0) or better required in THE 4244. Origins and evolution of Musical Theatre from the 1950s through the present. Spring.

THE 4284 CAH-THEA 3(3,0) Period Costume, Architecture, and Decor: PR: "C" (2.0) or better in ENC 1102, Costumes, furniture and decor from antiquity to the High Renaissance. Fall.

THE 4285 CAH-THEA 3(3,0) Period Costume, Architecture, and Decor II: PR: "C" (2.0) or better in THE 4284. Costumes, furniture and decor from the English Renaissance to the present. Occasional.

THE 4423 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 4543 CAH-THEA 3(3,0) Theatre for Social Change: PR: Grade of (2.0) or better in ENC 1101. Theatre activist’s impact on theatrical art forms. Occasional.


THE 4554 CAH-THEA 0(0,0) Theatre Exit Critique: PR: Theatre Major; Senior. Standing. Completion of departmental exit critique. Graded S/U. Fall, Spring.

THE 5205 CAH-THEA 3(3,0) American Theatre: PR: THE 5910, and MA or MFA Theatre Graduate. Examination of performance and historical aspects of the American drama. Spring.

THE 5215 CAH-THEA 3(3,0) Global Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. Occasional.

THE 5237 CAH-THEA 3(3,0) Cultural Diversity in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Community of human experience among various groups through the study of dramatic literature. Occasional.

THE 5248 CAH-THEA 3(3,0) Musical Theatre in History: PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Viennese operettas 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 genres. Emphasis will be placed upon historical trends and theatrical viability. Fall.

THE 5288 CAH-THEA 3(3,0) Period Costumes, Architecture and Decor I: PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the renaissance. Fall.


THE 5425 CAH-THEA 3(3,0) Women in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. An overview of women’s contributions to theatre. Occasional.

THE 5545L CAH-THEA 1(0,20) Research Methods in Theatre: 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.

THE 5945L CAH-THEA 1(0,20) Theatre Practicum I: PR: Graduate status or C.I. A laboratory course designed to develop students’ practical working knowledge in theatre. Occasional.

THE 5946L CAH-THEA 1(0,20) Theatre Practicum II: PR: Admission into Theatre Practicum I. A laboratory course designed to develop students’ practical working knowledge in theatre. Occasional.

TPA 2000C CAH-THEA 3(2,2) Theatre Design Basics: PR: BFA Design and Technology or Stage Management major. Basic design skills for scenic, lighting, sound and costume designers. Fall.

TPA 2010C CAH-THEA 3(2,2) Scenography: PR: "C" (2.0) or better in TPA 2000C and BFA Design and Technology or Stage Management major. Introduction to design for the stage, including scenery, lighting, costumes and sound. Occasional.

TPA 2071C CAH-THEA 3(2,2) Theatre Rendering: PR: "C" (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. Spring.

TPA 2200 CAH-THEA 3(2,0) Introduction to Technical Theatre: Development, theory, and practice of all areas of technical theatre production. Fall, Spring.

TPA 2200L CAH-THEA 1(0,6) Intro to Technical Theatre Lab: PR: Theatre Major or Department Consent. CR: TPA 2200. Projects in scenic construction. Fall, Spring. M&S fee $45.00

TPA 2210 CAH-THEA 3(3,0) Stagecraft I: PR: BFA Design/tech or Stage Management, CR: TPA 2210L. Development, theory, and practice of technical theatre production. Fall.

TPA 2210L CAH-THEA 1(0,6) Stagecraft I Lab: PR: "C" (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L. Advanced projects in scenic construction. Spring.

TPA 2211L CAH-THEA 1(0,6) Stagecraft II Lab: PR: "C" (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211. Advanced projects in scenic construction. Occasional. M&S fee $45.00

TPA 2220C CAH-THEA 3(2,2) Stage Electronics: PR: BFA Design and Technology or Stage Management major. Introduction to lighting and sound electronics for the stage. Fall. M&S fee $44.00

TPA 2232C CAH-THEA 3(2,2) Costume Construction: PR: Theatre Major or Department Consent. Basic knowledge and techniques for construction of stage costumes. Fall, Spring. M&S fee $22.00

TPA 2248C CAH-THEA 2(2,2) Makeup Techniques: PR: Theatre B.F.A. major or departmental consent. Theory and practice of stage makeup. Fall, Spring. M&S fee $17.00

TPA 2290L CAH-THEA 1(0,VAR) Theatre Participation-Production I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $47.00

TPA 2600 CAH-THEA 3(3,0) Stage Management: Production: PR: Theatre Major or Minor. Functions and responsibilities of professional stage managers. Occasional.

TPA 3045C CAH-THEA 3(2,2) Costume Design for Theatre I: PR: BFA Stage Management or Design & Technology major and "C" (2.0) or better in THE 2305, TPA 2000C, and TPA 2000C. Projects in the fundamentals of costume design for the stage. Fall.

TPA 3060C CAH-THEA 3(2,2) Scenic Design for Theatre I: PR: BFA Stage Management or Design and Technology major and "C" (2.0) or better in THE 2305, TPA 2000C, TPA 2017C, and TPA 4250C. Projects in the fundamentals of scenic design for the stage. Fall. M&S fee $37.00

TPA 3077C CAH-THEA 3(2,2) Scene Painting: PR: "C" (2.0) or better in TPA 2000C and TPA 2017C. Projects in scene painting techniques. Fall. M&S fee $70.00


TPA 3195L CAH-THEA 3(0,VAR) Summer Theatre Studio/tech/Design I: PR: Departmental consent by audition or interview. Study, analysis and execution of technical/design aspects for plays and/or projects produced in UCF Theatre. May be repeated for credit. Occasional. M&S fee $20.00

TPA 3197L CAH-THEA 3(0,VAR) Summer Theatre Studio/tech/Design II: PR: Departmental consent by audition or interview. Continuation of TPA 3195L. May be repeated for credit. Occasional. M&S fee $20.00
TPA 3223C CAH-THEA 3(2,2)
Lighting Design for Theatre I: PR: BFA Stage Management or Design and Technology major and "C" (2.0) or better in THE 2305, TPA 2202C, TPA 2000C, and TPA 4250C. Projects in the fundamentals of lighting design for the stage. Spring. M&S fee $61.00

TPA 3249C CAH-THEA 2(2,2)
Advanced Makeup Techniques: PR: "C" (2.0) or better in TPA 2240C. Lectures/laboratory study of basic techniques needed for the creation of stage and film prosthetics and masks. Occasional. M&S fee $70.00

TPA 3265C CAH-THEA 3(2,2)
Sound Design for Theatre I: PR: BFA Stage Management or Design Technology major and "C" (2.0) or better in THE 2305, TPA 2202C, TPA 2000C, and TPA 4250C. Projects in the fundamentals of sound design for the stage. Spring.

TPA 3383C CAH-THEA VAR(VAR,0)
Topics in Technical Theatre: PR: Theatre Major and "C" (2.0) or better in TPA 2232C or TPA 2220C or Department Consent. Techniques used in the production of scenery or costumes for the stage, Variable Topics. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

TPA 3601 CAH-THEA 3(3,0)
Stage Management Techniques: PR: "C" (2.0) or better in TPA 2600. Paperwork, structure, and tools used by Stage Manage Fall.

TPA 4066C CAH-THEA 3(2,2)
Advanced Scenography: PR: "C" (2.0) or better in TPA 3060C, TPA 3045C, TPA 3285C, or TPA 3223C. Project based work in areas of concentration. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

TPA 4250C CAH-THEA 2(2,2)

TPA 4251C CAH-THEA 2(2,2)
Advanced CADD for Theatre: PR: "C" (2.0) or better in TPA 4250C. Advanced computer-aided drafting and designing its application for Theatre. Spring. M&S fee $43.00

TPA 4280L CAH-THEA 1(0,VAR)
Theatre Participation-Production II: PR: "C" (2.0) or better in TPA 2290L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $47.00

TPA 4384C CAH-THEA 3(3,4)
Advanced Topics in Technical Theatre: PR: C (2.0) in TPA 2210 and TPA 2211. Variable topics which may include Technical Direction or other advanced topics. May be used in the degree program a maximum of 4 times only. Occasional. M&S fee $35.00

TPA 4400 CAH-THEA 3(3,0)
Theatre Management: PR: "C" (2.0) or better in THE 2020. Theatre Major or Minor and Junior standing. Study of the development, organization, management, funding, and promotion of theatres. Fall.

TPA 4401C CAH-THEA 3(2,2)
Theatre Careers in Production: PR: B.F.A. Design Techn or Stage Management; Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Spring.

TPA 4602 CAH-THEA 3(3,0)
Stage Management: Applications: PR: B.F.A. Stage Management major, "C" (2.0) or better required in TPA 3801. Application of stage management techniques Fall.

TPA 4604 CAH-THEA 3(3,1)
Stage Management: Professional Practice: PR: B.F.A. Stage Management major, "C" (2.0) or better required in TPA 4602. Union work rules and application of professional contracts. Fall.

TPA 5029C CAH-THEA 3(2,2)

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 advanced 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 Young Theatre: PR: Admission to the graduate program in Theatre or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre. Odd Spring.

TPA 5085C CAH-THEA 2(2,2)

TPA 5095C CAH-THEA 1(1,1)
Rendering for Theatre I: PR: Admission to the graduate program in Theatre or C.I. Traditional visual communication skills necessary for scenic, costume, and lighting design. Fall.

TPA 5175C CAH-THEA 1(1,1)

TPA 5345C CAH-THEA 2(2,2)
2D Computer Assisted Design for Theatre: PR: Admission into the Theatre MFA Design track. Two-dimensional computer drafting and editing techniques applicable to theatre design. Occasional.

TPA 5346C CAH-THEA 2(2,2)
3D Modeling for Theatre: PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable for theatre design. Occasional.

TPA 5405 CAH-THEA 3(3,0)

TPA 5585C CAH-THEA 2(2,2)
Puppetry: PR: Admission to MFA graduate program or C.I. Puppetry as an art form in design and performance. Odd Spring. M&S fee $30.00

TPA 5946C CAH-THEA 1(0,20)
Design Practicum I: PR: Admission into the MFA Design program. Practical experience as a member of the production team as a prop master or assistant scenic, costume, lighting, or sound designer. Occasional.

TPA 5949C CAH-THEA 1(0,20)
Design Practicum II: PR: Admission into the graduate program and TPA 5946C or C.I. Advanced work in the practical application of Properties and/or Design for the Theatre. Occasional.

TPP 2101 CAH-THEA 3(3,0)
Fundamentals of Acting: PR: BA Theatre Studies major, BFA Design & Technology major, BFA Stage Management major or Theatre minor. Development of acting, self-awareness and the ability to execute basic stage tasks. Fall, Spring.

TPP 2110C CAH-THEA 3(2,2)
Acting I - Introduction: PR: Theatre major or minor. Development of imagination, self-awareness, and the ability to execute basic stage tasks. Fall, Spring.
TPP 3272C CAH-THEA 2(2,2)

TPP 3310C CAH-THEA 3(2,2)
Directing for Theatre I: PR: Theatre major and "C" (2.0) or better required in THE 3312. Principles and techniques of play direction to include script selection, directorial analysis, casting, composition/picturization, blocking, tempo, and rehearsal planning. Fall, Spring.

TPP 3510C CAH-THEA 2(2,1)
Movement for the Actor I: PR: BFA Acting Major. Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more expressive body. Fall.

TPP 3513C CAH-THEA 2(2,1)
Movement for the Actor II: PR: C (2.0) or better in TPP 3510C. Reinforcement of the techniques of TPP 3510C. Fall.

TPP 3711C CAH-THEA 2(2,1)
Voice Production II: PR: "C" (2.0) or better in TPP 2710C. Reinforcement stage voice awareness introduced in TPP 2710C, focusing on a physical approach to acting texts. Spring.

TPP 3712C CAH-THEA 2(2,1)
Voice Production III: PR: "C" (2.0) or better in TPP 3711C. Emphasis on study of Shakespearean and heightened language. Fall.

TPP 3743C CAH-THEA 2(2,2)
Musical Theatre Applied/Studio Voice I: PR: "C" (2.0) or better in TPP 3727C. Continuation of Musical Theatre voice training with individualized instruction. Fall.

TPP 3744C CAH-THEA 2(2,2)
Musical Theatre Applied/Studio Voice II: PR: "C" (2.0) or better in TPP 3510C. Continuation of Musical Theatre voice training with individualized instruction. Fall.

TPP 3952L CAH-THEA 3(0,VAR)
Summer Studio Performance: PR: Audition/ Interview or departmental consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Occasional. M&S fee $20.00.

TPP 4140C CAH-THEA 3(2,2)
Acting IV - Creating the Role: PR: "C" (2.0) or better in TPP 4139C or TPP 3712C. Continuation of exploration and application of acting techniques through scene study. Fall.

TPP 4142C CAH-THEA 3(2,2)
Acting Verse: PR: Grade of "C" (2.0) or better required in TPP 3712C and TPP 4140C. Verse drama with particular emphasis placed on scansion and verse in the plays of William Shakespeare. Occasional.

TPP 4143C CAH-THEA 3(2,2)
Acting Styles: PR: "C" (2.0) or better in TPP 3103 or TPP 4140C. An advanced and comprehensive view of acting styles. Occasional.

TPP 4193L CAH-THEA 1(0,VAR)
Theatre Participation-Performance II: PR: Theatre major or minor and "C" (2.0) or better in TPP 2190L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $45.00.

TPP 4221 CAH-THEA 3(3,0)
Auditioning: PR: "C" (2.0) or better in TPP 2170C. Selecting monologues, auditioning techniques and cold readings. Spring.

TPP 4223C CAH-THEA 3(2,2)

TPP 4243C CAH-THEA 2(2,2)
Circus Arts: PR: Theatre major or minor; "C" (2.0) or better in TPP 2110C or TPP 2185. Circus history and introduction to a wide range of circus skills. Occasional.
UCF Courses and Descriptions

TSL 4080 ED-TL&L 3(3,0) Theory and Practice of Teaching ESOL
Students in Grades Pre-K-12: PR: Graduate 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) Issues in Second Language Acquisition: PR: TSL 4080. English phonology, morphology, syntax, and semantics, for future teachers. Fall, Spring.

TSL 4363 CAH-LANG 3(3,0) ESL Classroom Experiences: PR: TSL 3340 (B- or better). Practical instruction and experiences for future teachers of English conversation. Includes micro-teaching in class as well as 25 hours of experience working with non-native speakers. Spring.

TSL 4942 ED-TL&L 3(3,0) ESOL Field Experience: PR: TSL 4080. Practical application of research and teaching on evaluating and assessing academic subjects to second language (L2) learners in grades Pre-K-12. Fall, Spring.

TSL 4943 ED-TL&L 3(3,0) L2 Academic Language Instruction: PR: TSL 4942 and TSL 4945. Practical application of research and theory on teaching and assessing academic language and disciplinary literacy for second language (L2) learners in grades Pre-K-12. Spring.

TSL 5085 ED-TL&L 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-TL&L 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 5380 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.

TSL 5525 ED-TL&L 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 5601 CAH-LANG 3(3,0) Second Language Vocabulary Learning: PR: Graduate standing or C.I. Considers lexical issues encountered by second language learners; explores best practices for learners and their teachers and examines current research for pedagogical application. Occasional.

TSL 5940 CAH-LANG 3(3,0) Issues in TEFL: PR: Graduate status or senior standing and cross issues specifically related to TEF, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 3810 ECS-CECE 3(3,0) Highway Engineering: PR: STA 3302 with a grade of "C" (2.0) or better. CR: CEN 3700C. Three functional classifications are covered: planning, design and operation of transportation facilities. Emphasis is on the highway transportation mode. Fall, Spring.

TTE 4274 ECS-CECE 3(3,0) Transportation Engineering Systems: PR: TTE 3810 with a grade of "C" (2.0) or better. Topics such as safety. Intelligent Transportation Systems, and airport transportation will be covered. Fall, Spring.

TTE 4300 ECS-CECE 3(3,0) Transportation Analytics: PR: TTE 3810 with a grade of "C" (2.0) or better and department consent. Project design course covering principles/techniques of planning, traffic, and highway design. Including projecting traffic volumes, laying out alternative routes, designing of alignments/intersections. Spring. M&S fee $25.00.

TTE 5204 ECS-CECE 3(3,0) Traffic Engineering: PR: TTE 3810 or C.I. Study of the operation of traffic control devices and design for street capacity, signs, signals, and markings. Occasional.

TTE 5805 ECS-CECE 3(3,0) Geometric Design of Transportation Systems: PR: TTE 3810 or C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.

TTE 5835 ECS-CECE 3(3,0) Pavement Engineering: PR: EGN 3331C, CON 3501C, CEG 4011C Materials, analysis, evaluation, and management of pavement and pavement systems. Even Fall.


VIC 4312 COS-COMM 3(3,0) Power Branding: PR: AdPR majors only; MMC 3360, and MMC 4360 and PR: or CR: ADV 4101, or C.I. The importance of brand equity as well as how to build, measure, and manage brand equity. Fall.

WOH 4208 CAH-HIST 3(3,0) History of the Global Drug Trade: PR: WOH 3510 or C.I. The global history of struggles over the production, circulation, and consumption of illicit drugs from the early modern period to the present. Occasional.

WOH 4272 CAH-HIST 3(3,0) Age of Atlantic Revolutions 1763-1826: PR: AMH 2010 or C.I. Compares origins, development, and outcomes of the American, French, Latin American, and Haitian Revolutions. Occasional.

WST 3015 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) Honors Introduction to Women’s Studies: PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors content. Even Spring.

WST 3020 CAH-WOM 3(3,0) Girls' Studies: PR: ENC 1102. Girls’ Studies, an emerging field within Women’s Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts.

WST 3371 CAH-WOM 3(3,0) Women and Leadership: PR: ENC 1102. In-depth study of the experiences of 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) Women, Race and Struggle: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.

WST 3460H CAH-WOM 3(3,0) Honors Women, Race and Struggle: PR: Consent of Honors. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. With Honors content. Occasional.

WST 3500 CAH-WOM 3(3,0) Gender Issues and Community Activism: PR: WST 3015 or C.I. Feminist perspectives applied to current community issues. Interdisciplinary analysis through service learning and field research. Issues will vary. May be repeated for credit. Occasional.

WST 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 3603 CAH-WOM 3(3,0) Introduction to Gender Studies: PR: ENC 1101. Historical and cultural foundations of gender, sexuality, and intersexual theories with attention to fluidity of identities and diversity of experiences. Even Fall.

WST 3610 CAH-WOM 3(3,0) Gender and Technology: PR: ENC 1102 and Junior Standing. Examines the role of gender, race, class, and sexuality in the development, employment, and dissemination of technology in its various forms, including technologies of/around gender, such as domestic, sexual and reproductive, beauty, body, and body technologies. Occasional.

WST 3621 CAH-WOM 3(3,0) Theories of Masculinity: PR: ENC 1102. Masculinity from feminist perspectives, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.
WST 4002 CAH-WOM 3(3,0)
Research in Women and Gender Studies: PR: Research methodology and feminist theory, research, social change, and gender equality as experienced at the workplace in private, public and nonprofit spheres. Occasional.

WST 4021 CAH-WOM 3(3,0)

WST 4022 CAH-WOM 3(3,0)

WST 4023 CAH-WOM 3(3,0)

WST 4312 CAH-WOM 3(3,0)
Representations in Motherhood: PR: ENC 1102 and Senior standing Students will engage with memoirs, historical accounts, social science studies, poetry and literary works on topics of motherhood in a feminist lens. Focus on understanding and critical thinking. Experience, identity, public policy and agency. Occasional.

WST 4349 CAH-WOM 3(3,0)

WST 4415 CAH-WOM 3(3,0)

WST 5347 CAH-WOM 3(3,0)
Research in Women and Gender Studies: PR: Graduate standing and senior standing, or C.I. To explore feminist research methodologies and investigate relationships among feminist theory, research, social change, and gender equality as experienced at the workplace in private, public and nonprofit spheres. Even Fall.

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.

WST 5619 CAH-WOM 3(3,0)
Applied Gender Studies: PR: Graduate standing and/or C.I. Emphasize practical applications of gender theories and research in private and public sectors (i.e., the workforce, government agencies, global contexts) to strengthen leadership skills and enable effective policy and planning. Even Fall.

WST 5937 CAH-WOM 3(3,0)
Global Women in Crisis: PR: Graduate standing or C.I. How crisis shapes women’s lives around the world using Feminist Theory from a global, multi-cultural perspective, and combined with global feminist activism. Occasional.

ZOO 3701C COM-BSBS 3(1,4)
Human Gross Anatomy & Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach students the skills required for the preparation of three dimensional materials/specimens. The primary student population should be junior/senior pre-health professional applicants preparing for the basic medical sciences of professional schools. Spring. M&S fee $70.00.

ZOO 3713C COS-BIOL 5(3,6)
Comparative Vertebrate Anatomy: PR: # C (2.0) or better in both BSC 2010C and BSC 2011C per C.I. The vertebrate animals, relationships of organs and systems, and their phylogenic significance. Fall. M&S fee $65.00.

ZOO 3733C COM-BSBS 4(3,3)
Honors Human Anatomy: PR: BSC 2010C or equivalent. The content and depth of Honors. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Content. Spring. M&S fee $6.00.

ZOO 3733C COM-BSBS 4(3,3)

ZOO 3736C COM-BSBS 4(3,2)

ZOO 3744 COM-BSBS 3(3,0)
Neurobiology: PR: BSC 2010C. Biological principles of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall, Spring.

ZOO 4205C COS-BIOL 4(3,3)
Biological and Ecology of Metazoan Invertebrates: PR: A "C" (2.0) or better in all the following, BSC 2010C, BSC 2011C, and PCB 3044, or C.I. Introduction to the identification, taxonomy, behavior, evolution, and parasitological relations of the radiates, bilateria, acoelous, pseudocelomates, schizocelates, and enterocelates invertebrates. Occasional. M&S fee $34.00.

ZOO 4310C COS-BIOL 4(2,6)
Vertebrate Evolution & Ecology: PR: A "C" (2.0) or better in all the following: BSC 2010C, BSC 2011C, PCB 3044, and 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 $65.00.

ZOO 4462C COS-BIOL 4(2,4)

ZOO 4480L COS-BIOL 3(3,0)
Mammalogy Lab: CR: ZOO 4480. This lab will enhance topics covered in the lecture further exploring the anatomy and identification of mammals with hands-on experience. Fall.

ZOO 4513 COS-BIOL 3(3,0)
Animal Behavior: PR: A "C" (2.0) or better in 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)
Embryology/Development: PR: A "C" (2.0) or better in both PCB 3063 and PCB 3023, or PCB 3522, or C.I. Concepts of developmental processes. Emphasis on mechanisms underlying vertebrate development. Spring. M&S fee $22.00.

ZOO 4605 COM-BSBS 3(3,0)

ZOO 4742 COM-BSBS 3(3,0)
Advanced Neurobiology: PR: ZOO 3744. Advanced topics in movement, vision, motivation, sex and sex hormones, biocomputers, sleep, language, attention, mental illness, development, learning, memory, degeneration, regeneration. Spring.

ZOO 4743C COM-BSBS 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 4743C COM-BSBS 4(3,2)
Honors Clinical Neuroanatomy: PR: ZOO 3733C and Honors consent. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and neuroscience. Occasional.

ZOO 4747C COM-BSBS 4(3,1)
Honors Clinical Neuroscience: PR: ZOO 3744 or 2010C and consent and C.I. Emphasize practical applications of gender theories and research in major neuroscience areas including selected topics in neuropharmacology, neuro-ontolog, neuromyology, neuroepidemiology, and neurodiagnostics. Spring.

ZOO 4753C COM-BSBS 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 $70.00.

ZOO 4756 COS-BIOL 4(3,1)
Comparative Vertebrate Histology: PR: A minimum grade of "C" (2.0) in ZOO 3713 or similar course. A comparison of vertebrate anatomy at the tissue level and its evolutionary and phylogenetic significance. Fall.

ZOO 4910L COS-BIOL 3(0,3)
Research Experience in Animal Behavior in a Zoo Environment: PR: A minimum grade of a "B" (3.0) in ZOO 4513. An advanced course where students will be observing, documenting, and analyzing animal behavior in a zoological setting. Fall, Spring.

ZOO 5456C COS-BIOL 4(2,6)
Ichthyology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. Even Fall.

ZOO 5463C COS-BIOL 4(2,4)
Herpetology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, or C.I. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. Odd Spring. M&S fee $60.00.

ZOO 5475L COS-BIOL 3(0,6)
Field Ornithology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, or C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systems. Odd Fall. M&S fee $30.00.
<table>
<thead>
<tr>
<th>Course</th>
<th>Department</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ZOO 5486</td>
<td>COS-BIOL</td>
<td>4(4,0)</td>
<td>Mammalogy: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of the diversity and biology of mammals from an evolutionary perspective. Even Spring.</td>
</tr>
<tr>
<td>ZOO 5745C</td>
<td>COM-BSBS</td>
<td>4(3,3)</td>
<td>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&amp;S fee $15.00</td>
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<tr>
<td>ZOO 5748C</td>
<td>COM-BSBS</td>
<td>5(3,2)</td>
<td>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.</td>
</tr>
<tr>
<td>ZOO 5749C</td>
<td>COM-BSBS</td>
<td>5(3,2)</td>
<td>Clinical Neuroscience: PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4743C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.</td>
</tr>
<tr>
<td>ZOO 5758C</td>
<td>COM-BSBS</td>
<td>4(3,3)</td>
<td>Vertebrate Histology: PR: Graduate standing and college-level Human Anatomy, Human Physiology or Introduction to Histology. 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.</td>
</tr>
</tbody>
</table>
The date indicates the first year of employment at the University of Central Florida.

Abbas, Hadi, Associate Professor of School of Visual Arts & Design (8/8/1995), M.F.A. (Wichita State University)
Abdallah, Nazih, Lecturer of Electrical Engineering Computer Science (12/21/2005), Ph.D. (University of Paris IX-Dauphine)
Abdel-Aty, Mohamed, Professor of Civil Engineering (8/8/1995), Ph.D. (University of Cal at Davis)
Abdolvand, Reza, Associate Professor of Electrical Engineering (1/2/2014), Ph.D. (Georgia Institute of Tech.)
Abichar, Zakhia, Lecturer of Electrical Engineering (8/15/2011), Ph.D. (Iowa State University)
Ablanedo, Jennie, Assistant In of Instruction Dean Of And Train (1/28/2013), M.S. (University of Central Florida)
Abou-Daddwy, Ayman, Associate Professor of Creo-College Optics & Photonics (9/1/2008), Ph.D. (Boston University)
Abou-Senna, Hatem, Assistant Professor of Nursing (9/1/2008), Ph.D. (Boston University)
Abou-Senna, Hatem, Assistant Professor of Nursing (8/8/2014), Ph.D. (University at Buffalo, State University of New York)
Abraham, Charlie, Associate Professor of School Of Visual Arts & Design (8/8/1998), M.F.A. (University of Massachusetts Amherst)
Adams, JoAnne, Lecturer of School Of Visual Arts & Design (8/8/2009), M.F.A. (University of Florida)
Adams, Kenneth, Professor of Criminal Justice (8/8/2003), Ph.D. (University at Albany, State University of New York)
Adams, Michelle, Assistant Instructor of History (8/8/2003), M.A. (Northeastern Illinois University)
Ahangari, Rehelelh, Assistant Professor of Medicine of Col Of Med School Biomed Science Dean (8/8/2007), Ph.D. (University of Salamanca)
Ahearn, Dennis, Lecturer of School Of Visual Arts & Design (8/8/2007), M.F.A. (Temple University)
Ahmed, Kareem, Assistant Professor of Mechanics Mat And Aerospace Engineering (1/23/2014), Ph.D. (University at Buffalo, State University of New York)
Ait Maalem Lahcen, Rachid, Associate Professor of Medicine of Col Of Med School Biomed Science Dean (8/8/2013), Ph.D. (University of Central Florida)
Albarracin, Brian, Associate Instructor of Modern Languages (8/8/2006), M.A. (University of Notre Dame)
Barrett-Greenly, Tommi, Asst Instructional Designer of Vice Provost For Info Tech (12/24/2015), Ed.D. (University of Delaware)
Barkevicious, Jocelyn, Associate Professor of Psychology (8/8/1994), Ph.D. (University of Iowa)
Bartoli, Carol, Associate Professor of Legal Studies (12/23/1992), J.D. (New York Law School)
Bastelo, Kathleen, Asso Instructional Designer of Vice Provost For Info Tech (9/7/1995), M.E.D. (University of South Florida)
Batarseh, Issa, Professor of Solar Energy Center (8/8/1991), Ph.D. (University of Illinois)
Baudelet, Matthieu, Assistant Professor of Chemistry (7/8/2008), Ph.D. (University Claude Bernard Lyon)
Baudot, Lisa, Assistant Professor of Accounting (8/8/2014), Ph.D. (Higher School of Business & Econ Science)
Bauer, Sue, Asso Instructional Designer of Vice Provost For Info Tech (8/25/2000), M.A. (University of Central Florida)
Baxter, Janet, Instructor of P.E. (8/8/2015), M.S. (University of the Philippines)
Bayer, Cynthia, Lecturer of Biological Sciences (8/8/2013), Ph.D. (Syracuse University)
Baz, Ghada, Instructor of Integrated Business (8/8/2011), M.B.A. (Georgia State University)
Berman, Stephen, Assistant Professor of Medicine of Col Of Med School Biomed Science Dean (8/8/2016), M.D. (University of N. Texas)
Brodie, Lyman, Professor of College Of Arts And Hum Dean (8/8/1990), M.A. (University of N. Texas)
Brooker, Robert, Assistant Professor of University Libraries (3/31/2009), Ph.D. (University of Connecticut)
Brooks, Lisa, Associate Lecturer of School Of Design, Lng, Ldrs (8/22/2003), E.D. (University of Central Florida)
Brophy-Ellison, James, Lecturer of Psychology (9/15/1969), Ph.D. (Vanderbilt University)
Brotherton, Mark, Associate Professor of School Of Performing Arts (8/1/1996), M.F.A. (Pennsylvania State University)
Brown, Timothy, Associate Professor of School Of Communnications (8/8/2004), Ph.D. (University of South Carolina)
Brown, William, Associate Lecturer of School Of Performing Arts (12/22/2000), M.F.A. (San Diego State University)
Brown, Erin, Assistant Professor of Health Professions (3/24/2017), D.P.T. (University of Central Florida)
Brown, Shelley, Research Associate of Institute For Sim And Train (8/11/1999), B.A. (Florida State University)
Bruder, Gerd, Assistant Professor of Institute For Sim And Train (9/11/2016), Ph.D. (University of Munster)
Brueckner, Thomas, Lecturer of Physics (8/20/2002), Ph.D. (Montana State University)
Brunner, David, Professor of School Of Performing Arts (8/8/1983), D.M.A. (University of Illinois)
Bunson, Richard, Associate Instructor of School Of Communication (8/8/2003), M.A. (University of South Florida)
Bryan, Matthew, Associate Lecturer of Writing & Rhetoric (8/8/2009), M.A. (University of Central Florida)
Bryer, Thomas, Associate Professor of Pubic Administration (8/8/2008), Ph.D. (University of Southern California)
Buabisi, Anne, Lecturer of College Of Arts And Hum Dean (8/8/2015), Ph.D. (University of Central Florida)
Bucholtz, Rita, Associate Lecturer of School Of Teaching, Lng, Ldrs (8/8/1989), E.D. (University of Florida)
Buck, Tina, Assistant Librarian of University Libraries (8/8/2015), MLS (University of Pittsburgh)
Buckingham, Gregg, Lecturer of Public Administration (8/8/2016), E.D. (University of Central Florida)
Buford, Diego, Assistant Professor of Food Sci & Lodge Management (8/8/2015), Ph.D. (University of South Carolina)
Buhagia, Tarek, Instructor of Integrated Business (8/8/2001), M.A.E (University of Central Florida)
Bukstein, Scott, Instructor of Sport Business Management (8/8/2011), J.D. (University of Minnesota)
Bunn, Shon, Instructor of Tourism Events & Attractions (11/8/2007), M.S.M (University of Central Florida)
Burg, Mary, Professor of Social Work (10/6/2010), Ph.D. (University of Florida)
Burgunder, Carol, Instructor of Nursing (8/8/2015), M.S. (Pennsylvania State University)
Burke, Shawn, Professor of Institute For Sim And Train (2/26/2001), Ph.D. (George Mason University)
Burr, Joyce, Lecturer of Nursing (9/3/2010), Ph.D. (University of Central Florida)
Burrell, Jason, Associate Lecturer of School Of Visual Arts & Design (8/25/2002), M.F.A. (University of Cincinnati)
Bush, Mark, Lecturer of Health Management Information (9/8/2017), DHA. (Central Michigan University)
Bushey, Angeline, Professor of Nursing (12/21/1999), Ph.D. (University of Texas-Austin)
Butchard, William, Lecturer of Philosophy (8/8/2011), Ph.D. (University of Florida)
Butcher, Lonny, Instructor of Office Student Support (5/16/1997), M.A. (Louisiana State University)
Butler, Sylvester, Associate Professor of Child Family And Community Services (8/8/2007), Ph.D. (University of Connecticut)
Butt, Malcolm, Professor of School Of Teaching, Lng, Ldr's (8/8/2012), Ph.D. (University of Florida)
Buysens, Ryan, Assistant Professor of School Of Visual Arts & Design (8/8/2014), M.F.A. (Cranbrook Academy of Art)
Byrd, Anthony, Associate Professor of Finance (8/8/1993), Ph.D. (University of South Carolina)
Calabrese, Mark, Associate Instructor Of Industrial Engineering And Management Sys (8/8/2003), M.S.E. (University of Central Florida)
Calame, Jennifer, Professor Of Philosophy (9/23/2016), M.S.W (Loyola University)
Calandrino, Nancy, Asst Instructional Designer Of Vice Provost For Info Off (1/24/2014), M.Ed. (American InterContinental University)
Calkins, Vanessa, Instructor Of Writing & Rhetoric (8/8/2012), M.A. (University of Central Florida)
Calloway, Michael, Assistant Professor Of Anthropology (8/8/2015), Ph.D. (Vanderbilt University)
Campbell, James, Lecturer Of School Of Visual Arts & Design (8/8/2015), M.F.A. (Academy Of Art University)
Campbell, Laurie, Assistant Professor Of Educational & Human Sciences (8/8/2012), Ed.D. (Regent University)
Campbell, James, Associate Professor Of English (8/8/1996), Ph.D. (University Of Notre Dame)
Campiglia, Andres, Professor Of Chemistry (8/8/2003), Ph.D. (University Of Florida)
Camps, Humberto, Professor Of Physics (8/16/2002), Ph.D. (University Of Arizona)
Cannarozzi, Lisa, Associate Professor Medicine Of Com Internal Medicine (10/27/2008), M.D. (University Of South Florida)
Cannon, John, Professor Of Mathematics (8/8/1993), Ph.D. (Rice University)
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<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Department</th>
<th>Date of Appoint.</th>
<th>Degree(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zhang, Shaojie</td>
<td>Associate Professor of Electrical Engineering Computer Science (8/20/2007), Ph.D. (University of California)</td>
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</table>
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MALONE, LINDA C., Professor Emerita of Industrial Engineering (1979). B.S., M.S., Ph.D. (Virginia Polytechnic Institute and State University)


MATHES, BRUCE E., Professor Emeritus of Engineering (1999). B.S., M.S., M.E., Ph.D. (University of Florida)

MATTSON, GUY C., Professor Emeritus of Chemistry (1969). B.S., M.S., Ph.D. (University of Florida)

McGEE, WILLIAM W., Professor Emeritus of Forensic Science (1968). B.S., M.S., Ph.D. (University of Florida)

McGUIRE, JOHN, Professor Emeritus of Psychology (1972). Ph.D. (George Peabody College)

Meeske, Milan, Professor Emeritus of Communication and Information Sciences (1970), Ph.D. (University of Denver)

Miller, Ernest E., Professor Emeritus, College of Education & Human Performance (1968), B.S., M.S., Ed.D. (University of Northern Colorado)

Morgan, Ben B., JR., Professor Emeritus of Psychology (1982), B.A., M.A., Ph.D. (University of Missouri)

Morse, Lucy C., Associate Professor Emeritus of Biology (1969), B.A., M.A., Ph.D. (University of North Carolina)

Morse, Lucy C., Associate Professor Emeritus of Biology (1969), B.A., M.A., Ph.D. (University of North Carolina)

Mullin, Thomas A., Professor Emeritus of Communication Sciences and Disorders (1972), B.S., M.S., Ph.D. (Syracuse University)

O’Keefe, M. Timothy, Professor Emeritus of Communication (1968), B.A., M.A., Ph.D. (University of North Carolina)

Oman, Stuart E., Professor Emeritus of English (1968), B.A., M.A., Ph.D. (Northwestern University)

Osburn, John A., Professor Emeritus of Biology (1972), B.S., M.S., Ph.D. (Kansas State University)

Ostle, Bernard, Professor Emeritus of Statistics (1967), B.A., M.A., Ph.D. (Iowa State University)


Panousis, Peter, Dean Emeritus, College of Sciences (2000), B.S., Ph.D. (Iowa State University)

Paul, Gordon W., Professor Emeritus of Marketing (1977), B.S., M.B.A., Ph.D. (Michigan State University)

Paley, Bruce F., Professor Emeritus of History (1971), B.A., M.A., Ph.D. (University of Rochester)

Pawlas, George E., Professor Emeritus, College of Education & Human Performance (1991), B.S., M.Ed., Ph.D. (University of South Carolina)

Pennington, Robert, Professor Emeritus of Economics (1983), B.A., Ph.D. (Texas A&M University)

Pet-Armacoce, Julia, Professor Emeritus, Associate Dean for Planning and Knowledge Management, College of Medicine (1993), Ph.D. (Case Western Reserve University)


Pickering, Roy, Professor Emeritus of Music (1979), B.M.E., M.M. (Indiana University)

Platt, Jennifer C., Professor Emerita, College of Education & Human Performance (2005), B.A., M.S., Ph.D. (University of Nevada)

Prichard, Robert D., Professor Emeritus of Psychology (2003), B.A., Ph.D. (University of California, Los Angeles)

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Pyle, Ransford C., Associate Professor Emeritus of Legal Studies (1976), A.B., M.A., J.D., Ph.D. (University of Southern California)


Richie, Samuel M., Professor Emeritus of Electrical and Computer Engineering (1984), B.S.E., M.S.E., Ph.D. (University of Florida)

Rohrer, Frank D., Professor Emeritus, College of Education & Human Performance (1980), B.S., M.Ed. Ph.D. (University of Pennsylvania)

Rollins, Jack B., Professor Emeritus of Psychology (1969), B.S., M.S., Ph.D. (University of Georgia)

Rubin, Ronald S., Professor Emeritus of Marketing (1972), B.A., M.A., Ph.D. (University of Massachusetts)

Stahler, John H. III, Chairholder, Ernst & Young Professorship and Professor Emeritus of Accounting & Information Systems (1990), B.S., M.S., Ph.D. (Louisiana State University)

Saunders, Carol, Professor Emeritus of Management (1991), B.A., M.B.A., Ph.D. (University of Houston)

Schiffhors, Gerald J., Professor Emeritus of English (1970), B.S., M.A., Ph.D. (Washington University)

Scoi, Jr, David F., Professor Emeritus of Finance (1982), B.S.B.A., M.B.A., Ph.D. (University of Florida)

Sherwood, Howard, Professor Emeritus of Mathematics (1969), B.S., M.S., Ph.D. (University of Arizona)

Shofner, Jerrell H., Professor Emeritus of History (1972), B.S., M.S., Ph.D. (Florida State University)

Silfvas, William, Professor Emeritus of Optics and Optics (1990), B.S. Ph.D. (University of Utah)

Smith, Frances B., Associate Professor Emerita, College of Nursing (1979), R.N., Ed.D. (Florida State University)

Smith, Harry W., JR., Professor Emeritus of Theatre (1969), B.A., M.A., Ph.D. (Tulane University)

Snelson, Franklin F., JR., Professor Emeritus of Biology (1970), B.S., Ph.D. (Cornell University)

Somerville, Paul R., Professor Emeritus of Mathematics (1972), B.S., Ph.D. (University of North Carolina)

Sorg, Steven E., Associate Professor Emeritus, College of Education & Human Performance (1976), B.S., M.S., Ph.D. (Florida State University)

Stearmen, Allyn M., Professor Emerita of Anthropology (1976), B.A., M.A., Ph.D. (University of Florida)

Stegeman, George, Professor Emeritus of Optics, Physics, and ECE (1969), B.S., M.P.H. (University of Florida)

Stout, I. Jack, Professor Emeritus of Biology (1972), B.S., M.S., Ph.D. (Washington University)

Sweevey, Michael J., Professor Emeritus, Molecular Biology and Microbiology, and Associate Director of Burnet School of Biomedical Sciences (1999), Ph.D. (University of Texas S.W. Medical School)

Taylor, James S., Professor Emeritus of Civil, Environmental, and Construction Engineering (1977), B.S.I.E., M.S., Ph.D. (University of Florida)

Taylor, K. Phillip, Professor Emeritus of Communication (1980), B.A., Ph.D. (Indiana University)

Taylor, Michael D., Professor Emeritus of Mathematics (1986), B.A., M.S., Ph.D. (Florida State University)

Taylor, Walter K., Professor Emeritus of Biology (1980), B.S., M.S., Ph.D. (Arizona State University)

Tesori, Anthony P., Professor Emeritus of Education and Director Brevard Campus (1970), B.A., M.A., Ph.D. (Tulane University)

Thomas, Margaret H., Professor Emerita of Psychology (1971), B.A., M.A., Ph.D. (Tulane University)

Tubb, Levester, Associate Professor Emeritus, College of Education & Human Performance (1980), B.S., M.S., Ed.D. (University of Missouri)

Tucker, Richard D., Professor Emeritus of Psychology (1972), B.A., M.A., Ph.D. (Emory University)

Tzann, Nicolaos S., Professor Emeritus of Electrical and Computer Engineering (1980), B.S.E., M.E.E., Ph.D. (Massachusetts Institute of Technology)

Unkovac, Charles, Professor Emeritus of Sociology (1982), Ph.D. (University of Pittsburgh)

Van Hook, Mary P., Professor Emerita of Social Work (1985), B.A., M.S., Ph.D. (Rutgers University)

Wallace, Ronald L., Professor Emeritus of Anthropology (1975), B.A., M.A., Ph.D. (University of Florida)

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Whitehouse, Gary E., Professor Emeritus of Engineering (1978), B.S.I.E., M.S., Ph.D. (Arizona State University), P.E. (Florida)


Wycuff, Edward B., Associate Professor Emeritus of Communication (1972), B.S., M.B.A., Ph.D. (Florida State University)

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Winston, Robert W., Professor Emeritus of Marketing (1966), B.S., M.S., Ph.D. (University of Pennsylvania)

Winston, Robert W., Professor Emeritus of Marketing (1971), B.A., M.A., Ph.D. (University of Florida)

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HESTON, GRANT J., Vice President, Communications and Marketing (2012), B.B.A., M.B.A. (University of Central Florida)
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GOLDBERG, MARK, Assistant Vice President, Learning Support Services, Student Development and Enrollment Services (2005), B.A., M.A. (Binghamton University)
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March 1973  Louis C. Murray, Doctor of Public Service  Reubin Askew, Doctor of Public Service
August 1974  Fred C. Clayton, Doctor of Professional  Desmond Tutu, Doctor of Humane Letters
Engineering  May 2000  Lotfi Zadeh, Doctor of Science
August 1978  Richard F. Livingston, Doctor of Business  May 2001  James Bacchus, Doctor of Public Services
Administration  Richard M. Karp, Doctor of Science
June 1979  Albert F. Hegenberger, Doctor of Engineering  Joseph F. Traub, Doctor of Science
Science  LeRoy T. Walker Sr., Doctor of Public Service
Lee R. Scherer, Doctor of Engineering Science  Richard M. DeVos, Sr., Doctor of Commercial
Howard Phillips, Doctor of Public Service  Science
April 1982  Andrew Duda, Jr., Doctor of Agricultural Service  December 2002  Robert E. Kahn, Doctor of Science
Ferdinand Duda, Doctor of Agricultural Service  December 2004  G. Vince Amico, Doctor of Science
John Duda, Doctor of Agricultural Service  Lester Mandell, Doctor of Commercial Science
Robert J. Whalen, Doctor of Engineering Science  May 2005  Harriet Elam-Thomas, Doctor of Public Service
July 1982  Mary Jo Davis, Doctor of Public Service  March 2006  Aniela Acevedo Vila, Doctor of Public Service
William E. Davis, Doctor of Public Service  December 2006  Rita Bornstein, Doctor of Humane Letters
Charles Wadsworth, Doctor of Public Service  May 2009  Howard Lance, Doctor of Science
Jenny Collins, Doctor of Public Service  December 2012  Sanford Shugart, Doctor of Humane Letters
October 1988  Elie Wiesel, Doctor of Letters  Alan Ginsburg, Doctor of Public Service
John D. Holloway, Doctor of Public Service  J. Charles Gray, Doctor of Public Service
Wolfgang-Detlef Petri, Doctor of Commercial Science  John Skipper, Doctor of Humane Letters
May 1989  Frank M. Hubbard, Doctor of Public Service  August 2016  Alan Eustace, Doctor of Business
David Albertson, Doctor of Humane Letters  April 2017  Mohammad bin Fahd bin Abdulaziz Al Saud, Doctor
William S. Jenkins, Doctor of Human Letters  of Public Service
James C. Robinson, Doctor of Public Service  Charles N. Millican, Doctor of Laws
May 1990  Helen Harris Perlman, Doctor of Humane Letters  May 2016  Michael M. Crow, Doctor of Humane Letters
Thaddeus Seymour, Doctor of Letters  May 2014  Judith A. Albertson, Doctor of Humane Letters
May 1993  Buell G. Duncan, Jr., Doctor of Commercial Science  Richard Walsh, Doctor of Commercial Science
December 1995  Jesse Stone, Doctor of Humane Letters  John Skipper, Doctor of Humane Letters
April 1996  Nicolaas Bloembergen, Doctor of Science  May 2016  Alan Eustace, Doctor of Business
December 1996  Richard A. Nunis, Doctor of Public Service  April 2017  Mohammad bin Fahd bin Abdulaziz Al Saud, Doctor
May 1997  Maxwell C. King, Doctor of Public Service  of Public Service
Joe R. Lee, Doctor of Commercial Science  

President John C. Hitt with Dr. Phyllis A. Klock
### BUILDING ABBREVIATIONS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>FC-A</td>
<td>All Knight Study</td>
</tr>
<tr>
<td>ADP</td>
<td>Alpha Delta Pi - Sorority</td>
</tr>
<tr>
<td>ATO</td>
<td>Alpha Tau Omega - Fraternity</td>
</tr>
<tr>
<td>AZD</td>
<td>Alpha Xi Delta - Sorority</td>
</tr>
<tr>
<td>ARF</td>
<td>Ampac</td>
</tr>
<tr>
<td>LC55</td>
<td>Aquarius Courtyard #55</td>
</tr>
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<td>Aquarius Courtyard #56</td>
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<tr>
<td>LC59</td>
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<tr>
<td>ADRF</td>
<td>Ara Dr. Research Facility</td>
</tr>
<tr>
<td>ARB</td>
<td>Arboretum</td>
</tr>
<tr>
<td>VAB</td>
<td>Art Gallery</td>
</tr>
<tr>
<td>BAND</td>
<td>Band Storage</td>
</tr>
<tr>
<td>BYC</td>
<td>Barbara Ying Center</td>
</tr>
<tr>
<td>CMMS</td>
<td>Barbara Ying Center - CMMS</td>
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<tr>
<td>JBF</td>
<td>Baseball Field</td>
</tr>
<tr>
<td>LS01</td>
<td>Bennett Research II</td>
</tr>
<tr>
<td>BIO</td>
<td>Biological Sciences</td>
</tr>
<tr>
<td>BTG</td>
<td>Biological Transgenic Greenhouse</td>
</tr>
<tr>
<td>BFRC</td>
<td>Biology Field Research Center</td>
</tr>
<tr>
<td>BMRA</td>
<td>Biomolecular Research Annex</td>
</tr>
<tr>
<td>BPW</td>
<td>BPW Scholarship House</td>
</tr>
<tr>
<td>BRE</td>
<td>Brevard Hall</td>
</tr>
<tr>
<td>BHNS</td>
<td>Bright House Networks Stadium</td>
</tr>
<tr>
<td>BHC</td>
<td>Burnett Honors College</td>
</tr>
<tr>
<td>PRS</td>
<td>Burnett House</td>
</tr>
<tr>
<td>COM</td>
<td>Burnett School of Biomedical Sciences</td>
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<tr>
<td>BA1</td>
<td>Business Administration I</td>
</tr>
<tr>
<td>BA2</td>
<td>Business Administration II</td>
</tr>
<tr>
<td>CSEL</td>
<td>Career Services and Experiential Learning</td>
</tr>
<tr>
<td>CEM</td>
<td>Center for Emerging Media</td>
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<tr>
<td>ARNA</td>
<td>CFE Arena</td>
</tr>
<tr>
<td>CHEM</td>
<td>Chemistry</td>
</tr>
<tr>
<td>G416</td>
<td>Chi Omega - Sorority</td>
</tr>
<tr>
<td>CIT</td>
<td>Citrus Hall</td>
</tr>
<tr>
<td>CB1</td>
<td>Classroom Building I</td>
</tr>
<tr>
<td>CB2</td>
<td>Classroom Building II</td>
</tr>
<tr>
<td>CNH</td>
<td>Colbourn Hall</td>
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<tr>
<td>CAH</td>
<td>College of Arts &amp; Humanities</td>
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<tr>
<td>CSB</td>
<td>College of Sciences Building</td>
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<tr>
<td>CAPS</td>
<td>Counseling and Psychological Services</td>
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<td>CSC2</td>
<td>Creative School 1st Grade</td>
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<td>CSC1</td>
<td>Creative School for Children 1</td>
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<td>Creative School Module 2</td>
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<td>DDD</td>
<td>Delta Delta Delta - Sorority</td>
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<td>UWC</td>
<td>Duke Energy UCF Welcome Center</td>
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<tr>
<td>ECC</td>
<td>Early Childhood Center</td>
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<td>ED</td>
<td>Education</td>
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<td>EOC</td>
<td>Emergency Operation Center</td>
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<td>ESTB</td>
<td>Emergency Services Training Building</td>
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<td>ERL</td>
<td>Engine Research Lab</td>
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<td>ENG1</td>
<td>Engineering I</td>
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<tr>
<td>ENG2</td>
<td>Engineering II</td>
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<td>ENP</td>
<td>Engineering Research Pavilion</td>
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<td>EDC</td>
<td>Executive Development Center - UCF College of Business</td>
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<tr>
<td>FSC</td>
<td>Facilities and Safety</td>
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<td>ALUM</td>
<td>Fairwinds Alumni Center</td>
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<td>FC-G</td>
<td>Ferrell Commons - G</td>
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<tr>
<td>FIEA</td>
<td>FIEA - Florida Interactive Entertainment Academy</td>
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<td>FS65</td>
<td>Fire Station #62</td>
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<td>FLA</td>
<td>Flagler Hall</td>
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<td>Football Practice Field</td>
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<td>Global UCF</td>
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<td>Harris Corporation Engineering Center</td>
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<td>Jay Bergman Field - Baseball Stadium</td>
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A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools. 

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term’s Web Enrollment Guide for details.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

BHC: Burnett Honors College

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences within the College of Medicine.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.sdes.ucf.edu. Catalog Year: the edition of the University catalog that governs graduation requirements for a particular academic year.

CBA: College of Business Administration.

CECS: College of Engineering and Computer Science.

CEDHP: College of Education and Human Performance.

Certificate: special program of study supplemental to a major.

Cl: consent of instructor.

Class Schedule Search: a component of the online myUCF system (at https://my.ucf.edu) that lists courses and class sections offered each academic term.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are thirteen colleges at UCF: Burnett Honors College (BHC), Arts and Humanities (CAH), Business Administration (CBA), Education and Human Performance (CEDHP), Engineering and Computer Science (CECS), Graduate Studies, Health and Public Affairs (COHPA), Medicine (COM), Nursing, Optics and Photonics (CREOL), Sciences (COS), Undergraduate Studies, and Rosen College of Hospitality Management (RCHM).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: a computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office. 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 who fails to achieve a minimum 2.0 UCF GPA during a subsequent term is disqualified. A student who is disqualified may not enroll at the University for two terms following disqualification. Reenrollment 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 permanent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/minor.

Email: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at https://my.ucf.edu 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.

Excess Credit Hour Surcharge: a surcharge to each credit hour taken in excess of the total number of credit hours required to complete the degree being pursued. The amount in excess of the total hours is calculated based on a percentage defined in statute and is referred to by the University of Central Florida as baseline hours limit.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA during a subsequent term is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at https://my.ucf.edu in Student Self Service.

Freshman and Sophomore Courses: lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

FTIC: abbreviation for “First Time In College,” referring to those students who currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the fall and spring and summer terms.

FYAE: First Year Advising and Exploration.

FYE: First Year Experience.

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: a major that has additional admission requirements (e.g. early application date, a separate application, or specific GPA requirements). Certain academic programs designated as “limited access” only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: a 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.

Matriculation: enrollment and attendance your initial term at UCF. Can be as an admitted, degree-seeking student or as a nondegree student.

MEP: Major Exploration Program to assist students who are undecided about a major.

Minor: a complement to a bachelor’s degree program/ major requiring at least 18 credit hours in a field.

mySchedule Builder: a course scheduling tool designed to allow students to plan their class schedules around their life commitments. It allows students to review and compare every possible class schedule.

myUCF: the UCF/student information portal online at https://my.ucf.edu. myUCF is a powerful, security-encrypted, personal identification and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights Email account, telephone number, and permanent/mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses following the close of Late Registration and Drop/Swap; print the “Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs and, since July 1, 2014, when logging into myUCF or the UCF Information Kiosks.

Nursing: College of Nursing.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the NID (Network Identification Number). Each time you use the NID 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.)

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 and, in limited circumstances, at the colleges’ advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RCHM: 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.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All twelve Florida public universities are part of the SUS.

Term: academic year at UCF is divided into segments called “terms” (also called “semesters”). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them “quarters.” UCF is on the semester system; however, we usually speak of “Fall Term,” “Spring Term,” or “Summer Sessions.”

Term GPA: grade point average (GPA) on work attempted during any given term.

Third Attempt Charge: see “Repeat Surcharge.”

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar’s Office.

TSD: 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 Altamonte Springs, UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF Valencia East, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

UCF ID: (UCF Identification number): personal seven-digit number required as a unique identifier for each student.

Upper Level Courses: courses with a course number of 3000-4999.

VARC: Veterans Academic Resource Center providing GI Bill educational benefit certification and academic support programs, including supplemental instruction, tutoring, academic advising, career advising, student accommodation services, counseling services, and various other programs and services for student veterans.

Withdrawal: Withdrawal from a Course: to formally request an official departure from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office. Students who withdraw from a class are still responsible for tuition and fees for that withdrawn course.
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