2016-2017
Undergraduate Catalog

UCF Stands For Opportunity

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UCF REGIONAL CAMPUSES
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The UCF Creed

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

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

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

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

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

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

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

UCF Stands For Opportunity
Mission Statement

The University of Central Florida is a public multi-campus, metropolitan research university that stands for opportunity. The university anchors the Central Florida city-state in meeting its economic, cultural, intellectual, environmental and societal needs by providing high-quality, broad-based education and experienced-based learning; pioneering scholarship and impactful research; enriched student development and leadership growth; and highly relevant continuing education and public service initiatives that address pressing local, state, national, and international issues in support of the global community.
Welcome to the University of Central Florida!

UCF stands for opportunity, and many possibilities for professional and personal growth await you. Work hard in your classes and participate fully in extra-curricular 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 250,000 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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Associate Dean ........................................................................................................................ Richard Cottrell
Associate Dean ........................................................................................................................ Youcheng Wang
### 2016 SUMMER ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Session A</th>
<th>Session B</th>
<th>Session C</th>
<th>Session D</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 18 - June 26 6 Weeks</td>
<td>June 29 - August 7 6 Weeks</td>
<td>May 18 - August 7 12 Weeks</td>
<td>May 18 - July 17 9 Weeks</td>
</tr>
<tr>
<td>Application Deadline for All New Undergraduates</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>April 1</td>
<td>April 1</td>
<td>April 1</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>April 15</td>
<td>April 15</td>
<td>April 15</td>
</tr>
<tr>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>Mar. 7 - Apr. 26</td>
<td>Mar. 7 - Apr. 26</td>
<td>Mar. 7 - Apr. 26</td>
</tr>
<tr>
<td>Registration for State Employees, UCF Employees, UCFAA Employees, Non-Degree, Transients, and Audits (begins 3:00 p.m.)</td>
<td>May 13</td>
<td>June 24</td>
<td>May 13</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>May 13</td>
<td>June 24</td>
<td>May 13</td>
</tr>
<tr>
<td>On-Campus Housing Opens</td>
<td>May 15</td>
<td>June 24</td>
<td>May 15</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>May 16</td>
<td>June 27</td>
<td>May 16</td>
</tr>
<tr>
<td>Faculty to Confirm Academic Activity in Each Class</td>
<td>May 16 -20</td>
<td>June 27 - July 1</td>
<td>May 16 -20</td>
</tr>
<tr>
<td>Late Registration 1,2 on myUCF (ends at 11:59 p.m. on last day)</td>
<td>May 16-20</td>
<td>June 27 - July 1</td>
<td>May 16-20</td>
</tr>
<tr>
<td>Last Day for Full Refund</td>
<td>May 19</td>
<td>June 30</td>
<td>May 19</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 19</td>
<td>June 30</td>
<td>May 19</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 20</td>
<td>July 1</td>
<td>May 20</td>
</tr>
<tr>
<td>Payment Deadline 2</td>
<td>May 27</td>
<td>July 8</td>
<td>May 27</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>May 27</td>
<td>July 8</td>
<td>May 27</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>June 9</td>
<td>July 21</td>
<td>July 5</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>June 9</td>
<td>July 21</td>
<td>July 5</td>
</tr>
<tr>
<td>Last Day to Reinstat Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>June 17</td>
<td>July 22</td>
<td>June 17</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline 2</td>
<td>July 29</td>
<td>July 29</td>
<td>July 29</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete 3</td>
<td>June 24</td>
<td>August 5</td>
<td>August 5</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>Given during the last class meeting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-Campus Housing Closes</td>
<td>June 25</td>
<td>August 5</td>
<td>August 5</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>June 29</td>
<td>August 10</td>
<td>August 10</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>July 1</td>
<td>August 12</td>
<td>August 12</td>
</tr>
<tr>
<td>Commencement</td>
<td>August 6</td>
<td>August 6</td>
<td>August 6</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the online Academic Calendar (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.”

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### University Holidays and Special Events

- **Memorial Day Holiday** .......................................................... May 30, 2016
- **Independence Day Holiday (observed)** ................................. July 4, 2016
2016 - 2017 FALL/SPRING ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2016</th>
<th>Spring 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>September 1, 2016</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2016</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2016</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 1</td>
<td>November 1, 2016</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>July 15</td>
<td>December 1, 2016</td>
</tr>
<tr>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>June 27 - August 12</td>
<td>Oct. 17 - Dec. 2, 2016</td>
</tr>
<tr>
<td>Registration time for State Employees, UCF Employees,</td>
<td>August 19</td>
<td>January 6</td>
</tr>
<tr>
<td>Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>August 19</td>
<td>January 6</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>August 19</td>
<td>January 7</td>
</tr>
<tr>
<td>On-Campus Housing Opens</td>
<td>August 19</td>
<td>January 7</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 22</td>
<td>January 9</td>
</tr>
<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 22-26</td>
<td>January 9-13</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 25</td>
<td>January 12</td>
</tr>
<tr>
<td>Last Day to Drop for Full Refund</td>
<td>August 25</td>
<td>January 12</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 26</td>
<td>January 13</td>
</tr>
<tr>
<td>Payment Deadline</td>
<td>September 2</td>
<td>January 20</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>September 9</td>
<td>January 20</td>
</tr>
<tr>
<td>Academic Advising Weeks</td>
<td>October 10-21</td>
<td>October 10-21, 2016</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>October 31</td>
<td>March 22</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>October 31</td>
<td>March 22</td>
</tr>
<tr>
<td>Last Day to Reinstate Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>October 31</td>
<td>March 22</td>
</tr>
<tr>
<td>Veterans Affairs Deferral Payment Deadline</td>
<td>December 2</td>
<td>April 7</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete</td>
<td>December 3</td>
<td>April 24</td>
</tr>
<tr>
<td>Study Day</td>
<td>December 5</td>
<td>April 25</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 6-12</td>
<td>April 26 - May 2</td>
</tr>
<tr>
<td>On-Campus Housing Closes (noon)</td>
<td>December 13</td>
<td>May 3</td>
</tr>
<tr>
<td>Degree Conferral Date</td>
<td>December 16</td>
<td>May 4</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>December 15</td>
<td>May 5</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 16-17</td>
<td>May 4-6</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 17</td>
<td>May 8</td>
</tr>
</tbody>
</table>

NOTE: Dates are subject to change. Consult the online Academic Calendar (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 2016, Fall 2016 and Spring 2017 beginning February 28, 2016. Registration for these students will begin on or after March 14, 2016. All other eligible students will receive their registration times beginning October 10, 2016, and Spring registration for these students will begin on or after October 24, 2016.

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 5, 2016</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>October 9-15, 2016</td>
</tr>
<tr>
<td>Homecoming Game - vs. Temple</td>
<td>October 15, 2016</td>
</tr>
<tr>
<td>Veterans Day Holiday (observed)</td>
<td>November 11, 2016</td>
</tr>
<tr>
<td>Thanksgiving Holidays</td>
<td>November 24-26, 2016</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 16, 2017</td>
</tr>
<tr>
<td>Spring Break (campus offices still open)</td>
<td>March 13-18, 2017</td>
</tr>
<tr>
<td>Founder’s Day Honors Convocation (classes still held)</td>
<td>April 5, 2017</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 regarded as the basis for employment or enrollment decisions affecting such individual; or,  
3. Such conduct, due to its severity and pervasiveness, has the purpose or effect of substantially interfering with an individual’s work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

Most UCF faculty and staff members, including all professors, are required to report any information indicating that a student may have been subject to sexual harassment including sexual assault, dating or domestic violence, and sex-based stalking to a university Title IX coordinator so that the university may take appropriate action. CAPS staff and Victim Services staff are generally not required to report such information to the university. More information about resources and reporting options for sexual harassment and related policies are at http://shield.ucf.edu.

All forms of discrimination on the above bases, including sexual harassment, are strictly prohibited. Occurrences will be dealt with in accordance with the guidelines above and University regulations. Penalties for engaging in discrimination may include expulsion or termination.

Retaliation against a person who reports discrimination or who serves as a witness in a discrimination investigation is also prohibited and subject to the same penalties.

Employees, students, visitors, or applicants for employment or admission may obtain further information on this policy, including grievance procedures, from the Office of Equal Opportunity and Affirmative Action Programs (EOAA). The Director of EOAA is responsible for concerns in all areas of discrimination. The Director is also the Title IX Coordinator. The office is located on the Orlando campus, in Millican Hall 330, Orlando, FL 32816-0030. The phone number is 407-UCF-1EEO. Policies and guidelines are available online at http://www.eeo.ucf.edu/

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

Campus Alcoholic Beverages Policy
The sale, service, distribution, possession and consumption of alcoholic beverages on campus must comply with state and federal laws, city and county ordinances, and the licensing agreement with on-campus distributors which allows for the sale and service of alcoholic beverages. In addition the University has formulated the following policies governing the sale, service, 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 unsealed containers is prohibited except in designated areas or as approved with special events.

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

Student organizations may develop more stringent regulations regarding alcohol use.

Locations
The sale of alcoholic beverages to individuals of legal age will be permitted in licensed areas by licensed on-campus distributors.

The sale or service of alcoholic beverages to individuals of legal age will be permitted at other select campus locations for catered functions by properly authorized distributors.

The serving, distribution, possession or consumption of alcohol by individuals of legal age may be permitted in private residential rooms in the residence halls and other on-campus or affiliated housing unless otherwise prohibited by the governing organization. Consumption of alcoholic beverages in public or common areas within on-campus residential units shall follow guidelines provided by their governing organization, and local, state and federal law.

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

For the complete and definitive version of the Drug-Free Workplace/Drug-Free Schools Policy Statement, please go to: http://www.goldenrule.sdes.ucf.edu/
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 may affect the student’s status in a specific program of study. 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 Rights and Responsibilities, which may result in punitive and education sanctions, as outlined in The Golden Rule Student Handbook. Students found in violation of Academic Misconduct will receive a Z designation that would be included with the earned grade on transcripts, designating that academic dishonesty occurred. Information regarding the Z designation, its application or removal from a transcript can be found in The Golden Rule Student Handbook.

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

All UCF students should expect to use a personal computer in many University activities, including coursework, accessing library information, registering for classes, emailing correspondence to instructors 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://cstore.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 (this includes credits earned from CLEP, Dual Enrollment, AP, and IB). An administrative hold to prevent future university registration will be placed on the records of all students that have not declared a major. Students must meet with an academic advisor (within Student Development and Enrollment Services, the Colleges, or Regional Campuses) to have the hold released.

Student Responsibility for University Communication
UCF uses 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. It is the student’s responsibility 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 an emergency on campus. 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 resolution environment free of fear, retaliation, or other adverse consequence. The University has a number of offices and committees that are responsible for implementing the institution’s established procedures for addressing written academic and non-academic student complaints.

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

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

The University of Central Florida is accredited by the 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>Arts and Humanities</td>
<td>National Association of Schools of Music (NASM)</td>
</tr>
<tr>
<td>Music, Music Education</td>
<td>(11250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248)</td>
</tr>
<tr>
<td>Business Administration</td>
<td>The Association to Advance Collegiate Schools of Business (AACSB International), 777 South Harbour Island Blvd., Suite 750, Tampa, FL 33602-6730</td>
</tr>
<tr>
<td>(all disciplines)</td>
<td></td>
</tr>
<tr>
<td>Education and Human Performance</td>
<td>State Approval by the Florida Department of Education; Accreditation by the National Council for Accreditation of Teacher Education (NCATE), 1140 19th Street, NW Suite 400, Washington, DC 20036-6610</td>
</tr>
<tr>
<td>(all programs leading to initial teacher certification)</td>
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<tr>
<td>Aerospace, Civil</td>
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<tr>
<td>Computer, Construction, Electrical, Environmental, Industrial, Mechanical Engineering</td>
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<tr>
<td>Computer Science, Information Technology</td>
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<tr>
<td>Athletic Training</td>
<td></td>
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</tbody>
</table>

UNIVERSITY OF CENTRAL FLORIDA

University Notices

13 Undergraduate Catalog 2016-2017
<table>
<thead>
<tr>
<th>Department</th>
<th>Accreditation Body</th>
<th>Address/Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Informatics and Information Management</td>
<td>Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM), 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-5800</td>
<td></td>
</tr>
<tr>
<td>Health Services Administration</td>
<td>Association of University Programs in Health Administration (AUPHA), 2000 14th Street North, Suite 780, Arlington, VA 22201</td>
<td></td>
</tr>
<tr>
<td>Social Work</td>
<td>Council on Social Work Education (CSWE), 1701 Duke Street, Suite 200, Alexandria, VA 22314-3457</td>
<td></td>
</tr>
<tr>
<td>College of Medicine - Burnett School of Biomedical Sciences Medical Laboratory Sciences</td>
<td>National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119</td>
<td></td>
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<tr>
<td>Nursing</td>
<td>Florida Board of Nursing, 4042 Bald Cypress Way, Room 120, Tallahassee, FL 32399</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW Suite 530, Washington, DC 20036</td>
<td></td>
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<tr>
<td>Sciences</td>
<td>American Chemical Society (ACS) Committee on Professional Training, 1155 Sixteenth Street, NW, Washington, DC 20036</td>
<td></td>
</tr>
</tbody>
</table>

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

UCF Stands For Opportunity: The University of Central Florida is the nation’s second-largest university with more than 63,000 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 212 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 Lake 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 15 satellite facilities located 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 2015-16 academic year posted an average SAT score of 1261 and a high school weighted GPA of 4.0. A total of 277 National Merit Scholars enrolled in fall 2015. UCF continues to become more diverse each year, with 42.9 percent of students in fall 2015 classified as minority students.

Attractive Amenities: The 45,000-seat Bright House Networks 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 block, an indoor track and myriad fitness and training 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 new 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. A new listing this year by the publication placed UCF among the top 15 most innovative universities in the country. UCF has been consistently ranked as one of the nation’s best values by The Princeton Review and Kiplinger magazine. 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, including leadership in course design and delivery, 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 courses are conducted via web-based instruction and collaboration. Some courses may require minimal or no attendance of on-campus/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. 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 a web or streaming video component 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 a bachelor’s degree. Other required activities include taking classes at on-campus locations and registering for courses through 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 a bachelor’s degree. Other required activities include taking classes at on-campus locations and registering for courses through 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 a bachelor’s degree. Other required activities include taking classes at on-campus locations and registering for courses through the UCF Orlando campus.

Regional Campuses provides a wide variety of instruction modes and schedules, including extensive web class availability and support for numerous fully online degree programs and academic minors. Admissions, registration, financial assistance, 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
- UCF Ocala

Regional Campuses Distance Learners may take advantage of services through various communication technologies. Times and dates for all courses are listed online prior to registration each term, and all registration periods correspond to the overall UCF schedule.

The Central Florida Higher Education Consortium, known as DirectConnect to UCF, is a unique partnership between UCF and local community colleges. DirectConnect to UCF student is admitted according to the UCF policies when A.A. or A.S. degrees are awarded. Regional Campuses DirectConnect Coordinators are available on each of the Higher Education Consortium partnership campuses.

UNIVERSITY OF CENTRAL FLORIDA/CAMPUS

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All locations provide students with an opportunity to enroll in selected courses (junior and senior level) contributing to undergraduate and graduate degrees in a variety of disciplines within the University. At UCF Regional Campuses, students may register full-time or part-time for courses at any of the locations without additional paperwork. For the most current information on any of the multiple UCF Regional Campus locations, programs, or class schedules, check the website at http://www.regionalcampuses.ucf.edu.

**Administration**

**UCF Regional Campuses (RC) Administration**
12201 Research Parkway, Suite 101
Orlando, 32826; 407-823-4547

- **Vice Provost, Regional Campuses**: J. Jeffrey Jones
- **Office Manager**: Allison Bryant
- **Associate Vice Provost, Regional Campuses**: Pam Cavanaugh
- **Director, Academic Support Services**: Jennifer Sumner
- **Director, Special Projects**: Sean Armstrong
- **Director, Student Services & Advising**: Angela Jones
- **Associate Director, Academic Initiatives**: Waheeda Illasarie
- **Associate Director, Academic Initiatives**: Mary Lynn Bresette
- **Assistant Director, Continuing Education**: Kallie Reyes
- **Facilities Scheduler**: Denise Devin
- **Director, RC Enrollment Services**: Deborah Bradford
- **IT Business Applications Manager**: Martin Malpica
- **Web Designer**: Tony Recascino
- **Assistant Web Support**: Miness Patel
- **Graphics Designer**: Christina Grace
- **Senior Art Specialist**: Mary Lou Wade
- **Director, Library Services**: Cynthia Kisby
- **Assistant Vice Provost, RC Business Affairs and Operations**: Kimberley Cole
- **Executive Administrative Assistant**: Jeanette Holder
- **Accountant**: Brianna Stack
- **IT Supervisor**: Aaron Misiano

**Campuses**

**UCF Valencia West, UCF Valencia Osceola, UCF Valencia East**

- **Assistant Vice Provost**: Kimberly Hardy
- **Assistant Director, Osceola**: James Smith, Jr.
- **Assistant Director, Enrollment Services, West**: Melissa Kors
- **Coordinator, Enrollment Services, West**: Richard Satterlee
- **Coordinator, Enrollment Services, Osceola**: Jessica Matos
- **Senior Admissions Specialist, Osceola**: Priscilla Alejandro
- **Assistant Director, Advising Services, West**: Lisa Cruz
- **Coordinator, Academic Advisor, West**: Robin Tinsley
- **Coordinator, Academic Advisor, Osceola**: Arabella Edgecombe
- **Coordinator, Student Services, Osceola**: Lourdes Acevedo
- **DirectConnect Coordinator, Osceola**: Kim Martinez
- **DirectConnect Coordinator, East**: Christopher Quintero
- **Administrative Assistant**: Jacqueline Diaz

**UCF Daytona**

- **Assistant Vice President**: Linda Bradley-Thacker
- **Associate Director, Student Services**: Raphel Robinson
- **Coordinator, Academic Advisor**: Rosalyn Santana
- **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 Mealer
- **Assistant Director, Enrollment Services**: Pamela Williams
- **Coordinator, Student Services**: Ashley Squillante
- **Coordinator, Academic Advisor**: Georgia Kent
- **Coordinator, Academic Advisor**: Jackie West-Lee
- **DirectConnect Coordinator**: Luisa 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 Pantoni
- **Coordinator, Enrollment Services**: Jessica Houts
- **Coordinator, Academic Advisor**: Angel Edgecombe
- **Coordinator, Academic Advisor, Palm Bay**: Patricia Terrill
- **Coordinator, Academic Advisor**: Sheryl Schagen
- **DirectConnect Coordinator**: Kim Poppert
- **Department IT Manager**: Sue Sorenson
- **Coordinator, Administrative Services**: Gerry Deveau
- **Administrative Assistant**: Darlene Kraft

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

- **Regional Director**: Tanya Armstrong
- **Director, Student Services**: Pamela Brady
- **Assistant Director, Enrollment Services**: Christy Pasionis
- **Coordinator, Enrollment Services**: Thomas Silarek
- **Coordinator, Academic Advisor**: Bethany Larson
- **Coordinator, Academic Support Services, Ocala**: Crystal Flynn
- **DirectConnect Coordinator**: Colleen Scott
- **Director Connect 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:

- **Applied Science (B.A.S.) College of Undergraduate Studies**
  - **Track**: Criminal Justice
  - **Communication Sciences and Disorders (B.A., B.S.) College of Health and Public Affairs**
  - **Criminal Justice (B.A., B.S.) College of Health and Public Affairs**
  - **Elementary Education (B.S.) College of Education and Human Performance**
Human Communication (B.A.) College of Sciences
Integrated Business* (B.S.B.A.) College of Business Administration
Interdisciplinary Studies (B.S., B.A.) College of Undergraduate Studies
Nursing (B.S.N.) College of Nursing
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences
Sociology (B.A.) College of Sciences

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

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Legal Studies
History (B.A.) College of Arts and Humanities
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Political Science (B.A.) College of Sciences

Undergraduate Minors
Communication Sciences and Disorders
Criminal Justice
Crime, Law, and Deviance
Human Communication
Psychology
Sociology

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

UCF Daytona Beach
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:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Criminal Justice
Criminal Justice (B.A., B.S.) College of Health and Public Affairs

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:
Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
Nursing (B.S.N.) College of Nursing
Photography (B.S.) College of Arts and Humanities
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences

Undergraduate Minors
Crime, Law, and Deviance
Criminal Justice
Psychology

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)
The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies
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
The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies
Undergraduate Minors
Human Communication
Psychology
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:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Legal Studies
Early Childhood Education (A.S. to B.S.) College of Education and Human Performance
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
Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences
*Selected courses will require attendance at the UCF Orlando campus.
Undergraduate Minors
Legal Studies
Psychology
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
Psychology (B.S.) College of Sciences
The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies

Undergraduate Minors
Psychology

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:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Legal Studies
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
Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
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.

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Health Services Administration (B.S.) College of Health and Public Affairs
Human Communication (B.A.) College of Sciences
Public Administration (B.A.) College of Health and Public Affairs

Undergraduate Minors
Legal Studies
Psychology

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:
Applied Science (B.A.S.) College of Undergraduate Studies
Tracks: Criminal Justice and Legal Studies
Architecture (B.S.) College of Arts and Humanities
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
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
Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Nursing (Concurrent) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences
Sociology (B.A.) College of Sciences

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

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Human Communication (B.A.) College of Sciences

Undergraduate Minors
Crime, Law, and Deviance
Criminal Justice
Legal Studies
Political Science
Psychology
Sociology

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

General Regional Campus information:
Website: http://www.regionalcampuses.ucf.edu
Programs are offered via multiple delivery methods: web, video-streaming, and face-to-face. Delivery methods vary by location. For degree programs and minors, it is possible not all courses will be scheduled every semester, or on every campus location. Check the actual program webpage and the academic schedule for specifics.
Regional Campuses also offers a Bachelor of Applied Science degree as an option for transfers with an Associate of Science degree. Availability of tracks varies by location.
Central Florida Research Park

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

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

The ultimate goal of University-related research parks is to establish an academic/industrial community. The University and officials of the Central Florida Research Park believe that the potential for the establishment of close ties between the University and industry will create an environment for a center 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 1981 to strengthen 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.

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**Endowed Chairs**

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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 Tezçür.

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: Sampath Parthasarathy.

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

Florida Hospital Endowed Chair in Healthcare Simulation: Created in 2011 to support a leader a leader in the development of 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.

Elizabeth A. Dooley
Vice Provost and Dean:
College of Undergraduate Studies

University of Central Florida/Campuses

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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, work-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 Officer unless otherwise authorized by the complainant, or otherwise required by applicable law, including without limitation, Chapter 119, Florida Statutes. The University Ombuds Office is located in Millican Hall, Suite 243, room 247. Appointments may be made by calling 407-823-6440.

College of Undergraduate Studies
Vice Provost and Dean: Elizabeth A. Dooley
MH 218; 407-823-2373
http://www.undergrad.ucf.edu/

The College of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university-wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Office of Pre-Health and Pre-Law Advising, the EXCEL program, and the Academic Advancement Programs. The Dean serves as the final arbiter for all undergraduate academic appeals.

Academic Services
Interim Associate Dean and Director: Heath Martin
MH 210; 407-823-2691
http://www.academicservices.ucf.edu/

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

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 enforcement. 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 high-est of law enforcement practices and standards. The Communications Center (407-823-5555) provides a mechanism for persons to receive assistance in the event of an immediate threat, danger, injury, fire, or criminal occurrence by calling 9-1-1. 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 emergency responder - police, medical or fire - is directed to the right place in the shortest amount of time. Since telephone numbers appear on the police computer screen, callers who are 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 217 locations on campus to allow persons 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 are all assigned Mobile Data Terminals (MDT) so that they 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 brochures on 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 Lake Nona Medical Campus.

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’s 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 visitors who have been impacted by crime, violence or abuse with or without a police report. Counselors are available 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. An 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. Hitt 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 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 available access to the Libraries’ electronic resources and 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. Hitt 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 items, 34 desktop PCs, comfortable seating areas, closed-captioned 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://infokit.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/ScholarlyCommunication/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. Hitt 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 representative 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/cmclibraries or call (407) 903-2781.

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, Sanford-Lake Mary, Leesburg, DeLand, Orlando, and West Orlando. The university partners 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. Hitt Library’s collections available to UCF students at all regional and branch campus sites.

**Office of Instructional Resources (OIR)**

Director: Don Merritt  
CB1 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 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 instructional, 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: Danny White
WD2; 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 on the field, in the classroom and in our community.

Currently in their third season of membership in the American Athletic Conference, the Knights have won AAC titles in football (2013, 2014), women’s soccer (2013, 2014), softball (2014) 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 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 2008 full-time cohort is 70.5 percent. The retention rate for Summer-Fall full-time 2013 students is 89.1 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 café that proudly brews Starbucks coffee. For store hours and information, visit http://www.shopucf.com or call 407-823-2685.

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 café 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 intra-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 m.ucf.edu/shuttles/routes.

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

In addition, two Lynx bus routes, Links 13 and 30, 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 a 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
University of Central Florida/Campuses

United Cerebral Palsy and UCF), and the K-12 “Shakespeare Alive” and “Shakesperience” programs. Performances are presented in Margetson, 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, American Theater, Stage Directions and Southern Theater magazine. The third year of UCF’s Acting MFA in Theatre is spent in residence at the theater. Internships and independent studies for UCF undergraduates are also available with the theater in many departments. $12 rush tickets are available for UCF students 1/2 hour before performances with student ID. To purchase tickets, contact the box office at 407-447-1700, or go on the web at http://www.orlandoshakes.org. For internship information and other questions, contact Artistic Director Jim Helsinger at jimh@orlandoshakes.org.

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

The UCF Alumni Association connects all Knights with the university and each other through social, cultural and professional development opportunities — for life.

The alumni association is a dues-free organization, which means there’s no membership fee for alumni to get involved with its chapters and clubs program, or to take advantage of the many benefits and discounts available to them.

The 4EVER KNIGHTS (4EK) student alumni association connects students with alumni while creating a culture of philanthropy at the University of Central Florida. 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.

UCF Foundation, Inc.
Stewardship Coordinator, Communications, Marketing and Donor Relations: Tambrea Hurst
PVL 250; 407-882-1247
Email: tambrea.hurst@ucf.edu
http://ucffoundation.org

The UCF Foundation, Inc. is the official fund raising organization for the University of Central Florida. It is a 501(c)(3) nonprofit organization and the university’s primary partner in securing philanthropic resources.

The Foundation was established in 1969 as the Florida Technological University Foundation, Inc. and became the University of Central Florida Foundation, Inc. when the university changed its name in 1978.

The role of the UCF Foundation, Inc. is to enhance relationships with alumni, friends, faculty, staff and community partners and to promote philanthropic participation within the UCF community.

The foundation employs over 100 staff members who are dedicated to making the most effective and responsible use of contributions. The foundation team is responsible for gift acceptance and administration, gift processing and receipting, financial accounting and reporting, donor and alumni record maintenance, and donor and alumni stewardship.
International Affairs and Global Strategies (IAGS)

Vice President: Cynthia Young
Assistant Vice President: Nataly Chandia
GB, 407-883-2337; Fax: 407-882-0240
http://www.international.ucf.edu/

International Affairs and Global Strategies (IAGS) is the organizational division on campus dedicated to international outreach and opportunity. IAGS' mission 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, IAGS facilitates compliance with federal immigration regulations and provides immigration advising and assistance to the international students and scholars at the University of Central Florida. IAGS 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: advising and interpreting visa regulations, immigration orientation, immigration regulation resolution, informing 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, IAGS 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.stud yabroad.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 a more extensive experience in the host country. RSEs require a longer term abroad planning 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, IAGS strives to enhance the overall educational experience at UCF for its international students and scholars and to increase cultural awareness and understanding on campus.

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.stud yabroad.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. Ranging from all over the world, ELI has become a high-quality, intensive English programs, a world-famous location, and high-impact cultural experiences. The motto of ELI is: “Learn. Connect. Continue.” Students learn 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. Finally, after completing their studies at 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 has also hosted non-academically bound individuals interested in improving their English skills for personal or professional development. This five-level program includes basic components of Grammar, Reading, Writing, Communication Skills, and English Proficiency Test Preparation.

ELI believes in the importance of extra-curricular activities as a method for students to apply their English language skills outside the classroom. These events also serve as a way for students to experience the culture of the United States. Each semester, ELI hosts weekly activities for students such as local sporting events, business tours, beach trips, and volunteer gatherings.

If you or someone you know would like to get involved with the English Language Institute, please reach out to ELI staff by emailing contacteli@ucf.edu or by calling 407-823-5515.

Experiential Learning (Office of) (OEL), College of Undergraduate Studies

Interim Director: Ulla Isaac
CSEL 300; 407-823-2667
Email: OEL@ucf.edu
http://www.explearning.ucf.edu

The Office of Experiential Learning (OEL), an academic department in the College of Undergraduate Studies provides guidance, instructional and instructional support for experience-based learning courses at UCF. Its primary goal is to enable all students to include major-, career-, or course-related real-world experience in their academic programs. To gain the personal, academic and professional competencies they need to be successful employees and engaged community members upon graduation. About one third of the student body participates in experiential learning opportunities each year.

OEL has received national awards for its program innovation, quality instruction and assessment, broad-based collaboration, and institutional support. It contributes to the development and instruction of quality experiential learning courses across campus and helps keep curriculum current by offering faculty training, quality assurance, measurement of learning outcomes in experience-based learning courses, and advising for data to colleges for grant proposals, assessment, and accreditation purposes. Additionally, OEL collects data and applies for awards through which the university has been recognized numerous times for excellence in student engagement and partnerships.

Through OEL, both undergraduate and graduate students in all colleges have access to a diversity of experiences through meaningful and productive educational partnerships with employers and community partners locally, nationally, and internationally. Experiential Learning faculty members advise students, instruct co-op and internship courses, and support college faculty in the development and instruction of internship and service-learning courses. The department also administers the Florida Work Experience Program (FWEPP) through which additional paid, major-related experiences are created for students with documented unmet financial need, facilitates curricular practical training (CPT) for international students, and supports local, national and international internship programs and service-learning projects.

UNIVERSITY OF CENTRAL FLORIDA
All of these options provide major-related, real-world experience that help students clarify career goals, apply classroom theory, gain relevant competencies, and increase the likelihood of their entering graduate school or obtaining major-related employment upon graduation.

- Internships are available to students on all campuses in all colleges. They are courses that provide one semester of major-related work experience, structured for learning with reflection, supervision and evaluation, paid or unpaid, and most often for credit. Internships can be part-time (usually during the school year) or full-time (usually during summers). They are available through OEL or through college departments.

- Co-op opportunities are available to students on all campuses in all colleges. They are courses that provide a linked series of progressively responsible internships, always major- or career-related, paid, and occurring over multiple semesters. They are either part-time around class schedules or full-time alternating semesters of work experience and coursework, structured for learning with reflection, supervision and evaluation, and available for non-credit or credit when it will count in a student’s academic program. The co-op program at UCF is accredited, one of the largest in the country, and recognized nationally as a model for quality and benefits to students.

- Service-Learning provides a means for faculty to incorporate experiential learning into academic courses so that students meet course objectives through service experiences. Through this process, students gain an appreciation for civic engagement while learning course content in a real-world environment. Courses using this approach are designated with an “SL” in course listings so that students can choose to participate in this type of learning experience. A service-learning certificate, noted on a student’s transcript, is available for students who complete at least four designated service-learning courses with 12 credit hours.

Students are encouraged to come to OEL as soon as possible to plan for their participation, preferably during the semester before they want to participate to allow time to obtain an appropriate learning experience. For co-op or internships, students first complete an online application, followed by an introductory group session to obtain access into the OEL online database system. They then meet with OEL faculty to receive guidance, assistance in pursuing opportunities, referrals, and registration into experiential learning courses. To participate in service learning courses, students may select courses with an “SL” designation during the registration process. General information, online application, current co-op and internship opportunities through OEL, requirements for participation, tutorials, modular courses and resource information, as well as materials for service-learning are all available on the OEL website.

National Consortium for Academics and Sports (NCAS)

Director, Special Programs and Events: Suzi Katz-Slowinski
BA2 113; 407-823-3555
http://www.ncasports.org

Vision: to create worldwide social justice through the power of sport.

Mission: The mission of the NCAS is to use the power of sport to effect positive social change. We educate and empower individuals and organizations by inspiring values-based thinking leading to actions that promote social responsibility and equality.

Core Values:

Diversity and Inclusion
We believe diversity and inclusion serve as a catalyst to promote fairness, equity, and justice.

At the NCAS, we harness the power of diversity and inclusion to capitalize on individual and collective strengths and help teams, staffs, and organizations reach their full potential. Respect and appreciation of difference are the founding principles of diversity and inclusion. As advocates of fairness and equality, the NCAS hopes to build a global awareness and cultural competence through the power of sport. We strive to be on the cutting edge, proactively working to understand who is being excluded.

Education
Education has the power to transform lives and empowers people to make a difference.

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’ 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 our 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.

Division of Continuing Education

Director: Todd Freece
Innovation Center, 3280 Progress Drive, Suite 700, Orlando, FL 32826; 407-882-0260; Fax: 407-882-0266
http://www.ce.ucf.edu

The Division of Continuing Education (DCE) serves as the unit within Academic Affairs for the centralized administration of continuing education at UCF. In partnership with the academic, business, and professional communities, DCE provides local, state, national, and international clients with high quality, affordable, credit/noncredit educational programs and services. DCE clients include K-12, degree seeking students, domestic and international corporations, and local, state and federal government.

Off-Campus College Credit Programs
University Towers, 12201 Research Parkway, Suite 101, Orlando, FL 32826; 407-823-3654, Fax: 407-823-1399

Off-Campus College Credit and Corporate Education Programs assist UCF Academic Colleges in the administration and coordination of approved partnerships and other specially formatted credit courses and degree programs for the academic colleges. Registration may be conducted on site or via the web for student convenience. Registration for non-admitted students does not constitute regular admission to the University.
Institutes and Centers for Research

Dick Pope, Sr. Institute for Tourism Studies
Director: Abraham Pizam
9907 Universal Blvd., Suite 231-A, Orlando, FL 32819; 407-903-8010
Associate Director: Roberto Ceres
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, 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 informing the public about the tourism industry on state and international levels, as well its contribution to the social and economic welfare of the community at large.

Executive Development Center
Executive Director: Robert Porter
Associate Director of Degree Programs: Robin Hoger
407-235-3913; Email: mba@ucf.edu
Associate Director, Executive & Professional Development Programs: Jana Breburdova
407-235-3915; 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, national, 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.

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 Programs
- Custom Corporate Programs

Florida-Canada Linkage Institute
Director: Mark Hartman
407-823-3647; Fax: 407-823-2526
Email: fcli@ucf.edu
http://www.fsec.ucf.edu
1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1000
Email: info@fsec.ucf.edu
http://www.fsec.ucf.edu

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between the countries in central and Eastern Europe and the State of Florida. The Institute, administered by International Affairs and Global Strategies, promotes international collaboration through expanded public/private dialogue on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for students from central and east European countries to study in Florida state universities and 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

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

The John Scott Dailey Florida Institute of Government at the University of Central Florida
Director: Marilyn Crotty
407-882-3960, Fax: 407-882-3968
http://www.igc.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 Solar Energy Center (FSEC)
Director: James Fenton
1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1000
Email: info@fsec.ucf.edu
http://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://fspi.ucf.edu

The Florida Space Institute provides unique, practice-based educational opportunities, combined with space science research and the resources to design, build, and test small satellites, instruments, and payloads. Using these resources FSI supports UCF and other member schools, as well as other educational and commercial customers. FSI provides opportunities for student involvement in real-world space programs. FSI is a State of Florida Institute headquartered at UCF, but has 10 member schools statewide. FSI is located at Research Park, Orlando, which is adjacent to the UCF main campus. Typical research areas include small satellite innovations, planetary science, instrumentation development, space weather, and space power, driving engineering solutions with science requirements. FSI hosts one of the nine US research teams of NASA’s Solar System Exploration Research Virtual Institute (SSERVI), called the Center of Lunar and Asteroidal Surface Science (CLASS). The teams participating in the Solar System Exploration Research Virtual Institute (SSERVI) will address scientific questions about the moon, near-Earth asteroids, the Martian moons Phobos and Deimos, and their near solar environments, in cooperation with international partners. FSI’s faculty are also leading a NASA mission called Global Observations of the Limb and Disk (GOLD). GOLD will fly an ultraviolet (UV) imaging spectrograph on a geostationary satellite to measure densities and temperatures in Earth’s thermosphere and ionosphere.
FSI conducts its educational activities through the NASA Florida Space Grant Consortium (FSGC). FSI administers FSGC, a NASA sponsored state wide higher education program, led by the UCF. Through FSGC, FSI provides opportunities for students to gain hands on space related projects like the Hybrid Rocket Competition, Florida Undergraduate Satellite Design Competition (FUNSAT), senior design projects and participation in NASA competitions. FSGC also provides fellowships, scholarships, internship and research experiences for students.

**Institute for Simulation and Training (IST)**

**Director:** Randall Shumaker

**Partnership II & III, 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-892-1300**

**Email:** shumaker@ist.ucf.edu

**http://www.ist.ucf.edu**

The Institute for Simulation and Training (IST) was established to conduct research and develop technology that advances the state of the art in affordable and effective human-centered simulation capabilities and training systems. In April 1985 a State of Florida resolution recognized the institute as part of a Center of Excellence for Simulation and Training. Driven by a proven record of research achievement, IST has developed unique qualifications and is positioned to provide the enabling technologies and technical talent necessary to research new ways to model human activity, improve human-agent interaction, and educate the next generation of scientists and professionals.

IST laboratories, work space, and administrative offices occupy major portions of the Partnership II and III buildings located in the Central Florida Research Park, adjacent the UCF campus. The park also is home to major simulation and training agencies from all branches of the U.S. military. The institute is a research and academic arm of the world’s largest concentration of simulation and training for industry, government, health care, and entertainment.

IST’s research staff of more than 200 scientists, engineers, and students conducts basic and applied research for a broad range of training devices and programs. Research teams focus on applied research and technology, human/systems integration, and information systems technologies. Research areas include:

- Multi-resolution simulation
- Virtual, mixed, and augmented reality
- High performance computing
- Human-machine interface, robotics
- Computer-generated forces
- Mathematical foundations
- Application development
- Information management technology
- Human factors psychology
- Team training and team performance
- Cognitive science
- Augmented cognition
- Medical-related simulation
- Embedded simulation
- Advanced performance technology
- Human performance in healthcare
- Behavioral cybersecurity

IST actively assists UCF in the development of simulation-related curricula. First in the nation, IST offers a master’s degree in simulation sciences, 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, 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 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 area 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

656-576-3146

**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 throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members.

Through the Oak Ridge Institute for Science and Education (ORISE), the DOE facility that ORAU operates, undergraduates, graduates, postdoctoral fellows, 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.

**Small Business Development Center (SBDC)**

**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 Small Business Development Center (SBDC) is part of a statewide organization designed to promote economic development by responding to the needs of the small business community. The SBDC, as part of the Office of Research and Commercialization at the University of Central Florida, is responsible for eight counties in the Central Florida area including ten satellite offices located at Daytona State College, Eastern Florida State College, Seminole State College, Kissimme Chamber of Commerce, City of Palm Coast, and three Lake County Business Opportunity Centers. Assistance is provided through workshops and no-cost individual counseling in the following areas:

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

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Exchange, Export Marketing Plan Services, Growth Acceleration Services, Small Business Institute, and Strategic Workshop Series, in addition to two special programs of Procurement Technical Assistance Center (PTAC) and Small Business Resource Network (SBRN).
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/transferknights/ 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. 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 March 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, but 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 disciplinary action, denial of admission, loss of financial aid, and invalidation of credits or degrees earned. Those enrolled students who have not submitted official completed records by the deadline will be placed on administrative hold. Students with these incomplete records will not be permitted to register for a future term until all official transcripts and other required documentation have been received. If, upon review of final transcripts, student records are not satisfactory, they may be placed on academic probation, have their admission status revoked, changed to non-degree or transient status, may become ineligible for financial assistance, and may, in some cases, be withdrawn from the University. In addition to the required documentation mentioned above, students must have a satisfactory conduct record at all schools attended. 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/](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 [http://admissions.ucf.edu/](http://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/](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.floridashines.org](http://www.floridashines.org).

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

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

### Freshman Applicants

Any FTIC student who meets Florida Board of Governors regulation for minimum admission requirements is encouraged to submit an application. Meeting the 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) 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:

**Academic Subjects**

<table>
<thead>
<tr>
<th>Subject</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>
<tr>
<td>Additional academic electives from the above five subject areas and courses recommended by the Florida Asn. of School Administrators, or other groups, and courses recommended by the Articulation Committee and approved by the Department of Education</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Units** 18
Undergraduate Admissions

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 on 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 one 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 their senior 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
UCF welcomes transfer applications to the university. 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 students are required to complete at least 30 hours in residence at UCF to earn a bachelor’s degree. In addition, students must complete 48 hours in residence at UCF to be eligible to receive baccalaureate honors recognition at the time of graduation.

Transfer 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 guaranteed 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 qualifications);
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;
7. Equal opportunity with native university students to enter limited programs.

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

Transfer Applicants - More Than 60 Hours, Have Not Received an A.A. Degree from a Florida Public Institution
Undergraduate transfer applicants who desire to be admitted as upper division students must have met, at least, all of the following requirements:
- A minimum of a 2.0 GPA and 60 credit hours of academic course work;
- The English and Mathematics requirements of the Gordon Rule; and,
- Demonstrated proficiency at the elementary 2 level in one foreign language or American Sign Language at an undergraduate institution. This requirement applies to those students without the required demonstrated proficiency equivalent to the second high school language.

Meeting these minimum requirements does not guarantee admission.

Second Bachelor's Degree Applicants
Second Bachelor's Degree applications are processed by the Undergraduate Admissions Office or the Registrar's Office. Guidelines for which office students should make application to are outlined as follows:
- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the 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: 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.floridashines.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://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 administrative 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. The international application deadlines are 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:
- Submit the completed UCF admissions application form with the required $30.00 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.
- Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation and a GPA computation of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on this evaluation.
- If the student has attended any international universities, an English translation and evaluation of work completed at each institution will be necessary. Transcripts should be sent to one of the agencies below for a course-by-course evaluation. Please note that if 60 or more credit hours have been earned at a post-secondary institution, it will not be necessary to submit the secondary school records.
- Results of the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System) may be required of students whose first language is not English. Information can be obtained from TOEFL at http://www.ets.org/toefl or IELTS, http://www.ielts.org.
- Results of the SAT Reasoning Test, redesigned SAT (rSAT), or ACT Pre-Writing (or ACT for students applying for Spring 2017 or later) 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 on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

These students must also complete and submit the required financial and immigration documents by the deadline. Applicants must also file a “Certification of Finances” form and supporting financial documents with International Affairs and Global Strategies indicating financial support to cover educational and other expenses for the first year of study. These documents can be found online at https://www.international.ucf.edu/ and must be on file prior to the issuance of the I-20 or DS-2019 forms by the University.

Educational Translations and Evaluations
Foreign diplomas must meet the requirements specified in Florida Statutes, section 229.814. UCF will accept evaluations of academic credit from these agencies:
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 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 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 407-823-1261 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 shown on the student’s permanent UCF record. Effective Fall 2001, the University recognizes a grading system of plus or minus. In addition, grade forgiveness is honored only if it has been awarded as part of an AA or a specific statewide articulated AS degree from a Florida public institution. Credit is not awarded based on job descriptions, life experience, or course work that is non-academic, or transfer course work from a non-regionally accredited institution included within a baccalaureate degree earned from a regionally accredited institution.

Accredited Institutions
For the purposes of this Undergraduate Catalog, “Accredited Institutions” means those colleges and universities accredited by any of the following six regional associations:

- New England Association of Schools and Colleges;
- Middle States Association of Colleges and Secondary School, Commission on Institutions of Higher Education;
- North Central Association of Colleges and Schools, Commission on Colleges and Universities;
- Northwest Association of Secondary and Higher Schools, Commission on Higher Schools;
- Southern Association of Colleges and Schools; and
- Western Association of Schools and Colleges Accrediting Commission for Senior Colleges and Universities and Accrediting Commission for Junior Colleges.

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

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

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

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

Credits from Military Service School Courses
Completed military service school courses may be evaluated on the basis of the recommendations of the American Council of Education (ACE) when official credentials have been properly presented. While credit may be granted when courses are equivalent to those offered by the University, recommendations by the ACE are not binding upon the University. Even though military records may have been evaluated by another regionally-accredited institution, it is important to have official credentials sent to UCF for evaluation. Credit is not awarded for basic training.

Baccalaureate Honors
Transfer students should be aware that eligibility for graduation with baccalaureate honors requires the completion of a minimum of 48 credit hours at UCF and is based upon an overall grade point average (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, a unit within Student Development and Enrollment Services, 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 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.

**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 March 1, to determine eligibility. The FAFSA results are required for many programs. The federal processor, using a standardized formula, calculates financial need. Those results are then forwarded to the schools that were identified on the 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 March 1st 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.

**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 2016-17 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/receiving/sap.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 any federal student loan 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 (I-551); a conditional permanent resident with a Conditional Green Card (I-551C); as well as some I-94 classifications;
- Students must have high school diploma, GED certificate, or completed secondary school through homeschooling as defined by state law;
Student Financial Assistance

- 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 unprocessed 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 2016-17 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have 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 2016-2017 Undergraduate Students

#### Fall/Spring based on 14 hours per term

<table>
<thead>
<tr>
<th></th>
<th>Florida Residents</th>
<th>Non-Florida Residents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living Arrangement</td>
<td>On/Off Campus</td>
<td>On/Off Campus</td>
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<td>Parent/Relative</td>
<td></td>
<td>Parent/Relative</td>
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<tr>
<td>Tuition and Fees</td>
<td>$5,954</td>
<td>$20,978</td>
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<tr>
<td>Books</td>
<td>1,152</td>
<td>1,152</td>
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<tr>
<td>Room &amp; Board</td>
<td>9,764</td>
<td>5,450</td>
</tr>
<tr>
<td>Transportation</td>
<td>1,866</td>
<td>1,866</td>
</tr>
<tr>
<td>Personal Expenses</td>
<td>3,104</td>
<td>3,104</td>
</tr>
<tr>
<td>Total Costs</td>
<td>$21,840</td>
<td>$36,864</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 do not receive 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 fee invoiced reflects the deferred due date for tuition and fees. Students given a deferment are advised that their tuition and fee charges must be paid by the due date noted on the student’s fee invoice, which is the deferment date. The deferment process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the 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 eligible in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they never attended.
Student Financial Assistance

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>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 illness or injury of the student, etc.), who is placed on cancellation status may appeal to the Financial Aid Review Committee for reinstatement 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 attempted in the 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;
■ you are married at the time the original FAFSA was filed for the year;

UNIVERSITY OF CENTRAL FLORIDA
Student Financial Assistance

- you are or will be enrolled in a master’s or doctorate degree program (beyond a bachelor’s degree) at the beginning of the 2016-17 school year;
- you now have or will have children who receive more than half their support from you;
- you have dependents (other than your children or spouse) who live with you and who receive more than half their support from you and will continue to receive more than half their support from you through June 30, 2017;
- 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, 2017,
- 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 an emancipated minor as determined by a court in your state of legal residence;
- you are in legal guardianship as determined by a court in your state of legal residence;
- your high school or school district homeless liaison determined you were an unaccompanied youth who was homeless 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, 2015; or,
- you were determined, by the director of a runaway or homeless youth basic center or transitional living program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless anytime one or after July 1, 2015.

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 for some programs at UCF. 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.

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 award that is 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 U.S. Armed. 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, death of a parent or legal guardian, 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 http://finaid.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 hours 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 the 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 http://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.

The Student Account Services office is responsible for:
- Tuition and Fee Assessment/Refunds
- Processing Payments
- Overdue payment and institutional loans collection (Loans and Collections)

Schedule of Fees
Note: 2016-2017 tuition and fees had not been established at the time of this publication. Rates for the 2016-2017 academic year will be available in July 2016 at http://tuitionfees.itkm.ucf.edu/. Fees are subject to change without notice.

Tuition and Fees: Tuition and fees are established by the State Legislature and the University Board of Trustees and are subject to change without notice. Fees are affected by residency status. Tuition and fees are charged per semester or term for main campus, regional campus, and continuing education courses. Tuition is assessed on a per credit hour basis. Students classified as zero-hour 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:

“I understand that I will be responsible for tuition and fees for all courses that remain on my record after the drop deadline and that the courses will be graded.

I accept responsibility for payment of my term tuition and fees by the published deadline. I understand that if I do not pay my tuition and fees or do not pay these fees by the deadline, I will be charged a $100 Late Payment Fee, my records will be placed on hold, my account will be referred to a collection agency, and I agree to reimburse the fees of any collection agency, which may be based on a percentage of the debt collected, and all costs and expenses, including reasonable attorneys’ fees incurred in such collection efforts.”

The deadline to DROP classes without incurring a W Grade and Fee Liability will be one day earlier than the deadline to ADD classes. Please consult the Academic Calendar or the Enrollment Bulletin Board in Student Self Service for these deadlines.

Note: The Fall 2016 Financial Responsibility Statement had not been established at the time of this publication.

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.

E-Pay process:
- Sign in the myUCF portal as usual then click on the link for Student Self Service; this will open your Student Center page. Use the right scroll bar to scroll to the Finances section. You will find the My Account section.
- Click on the link for the Tuition Fee Invoice. Select the current term (i.e. Sum 2016, Fall 2016, or Spring 2017). The Fee Invoice will provide you your schedule, the charges, the Amount Due and deferrals.
- Annotate the Amount Due as you will need that amount once you are on the E-Pay system.
- Scroll down to the bottom of the page and click on the Due Charges/E-Pay link to make a payment.

Mailed payments: (Please do not send cash)
- Include student’s name and PID# on personal checks or money orders (make check payable to University of Central Florida)
- Address payments to: University of Central Florida
- Student Account Services
- Attn: Payment Processing
- P.O. Box 160115
- Orlando, FL 32816-0115

Payment Drop – 24-Hour Depository at main campus (located on Reflecting Pond side entrance of Millican Hall) (no cash)

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.

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-
Student Tuition and Fees

available basis; see the appropriate term’s Academic Calendar http://calendar.ucf.edu for registration dates and times. The tuition fee waiver cannot be used for courses that require increased costs (such as thesis, dissertation, and directed individual study). A “Florida Residency” Affidavit is required to establish Florida residency. A completed “Student Health History” form must be filed prior to registration. Inquiries should be directed to the Registrar’s Office (MH 161; Telephone: 407-823-3100).

Refund of Fees
A refund of fees will be processed under the conditions noted below. The student must submit a written appeal for a refund or other appeal action to the University within six months of the close of the semester for which resident status is sought. The following conditions apply: 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 or 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.

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.

Late Fees
Late Payment DNP (Drop for Non-Payment) Fees are charged 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.

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, paralee, Cuban national, Vietnamese refugee, or other refugee or asylee so designated by the United States Citizenship and Immigration Service.

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 (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 disbursment, 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.
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 requests and supporting documents. The submission of documents in itself does not qualify the student for Florida residency for tuition purposes. The Registrar’s Office will evaluate the submitted documents and available information and will render an eligibility determination. UCF is authorized to make discretionary judgments as to residency within the bounds of the law and in reaching this professional judgment will evaluate all documents submitted and information available. No single document shall be conclusive.

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

All determinative documents must be dated at least 12 months before the first day of classes of the term for which the student requests Florida residency;

Or

proof of membership in or affiliation with a community or state organization of significant connections while absent;

Or

proof of continuous presence in Florida during periods when not enrolled as a student;

Or

proof of former domicile in Florida and maintenance of significant connections while absent;

Or

proof of reliance upon Florida sources of support;

Or

proof of domicile in Florida of family;

Or

proof of admission to a licensed practicing profession in Florida;

Or

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;

Or

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;

Or

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

Or

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

Or

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

Or

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

Or

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

Or

be a U.S. Citizen who is a McKnight Doctoral Fellowship recipient;

Or

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

Or

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

And

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

Academic Services for Student-Athletes (ASSA)
Director and Senior Associate Athletic Director: Eric 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 that they understand what is needed to maintain their NCAA Division I academic-athletic eligibility, as well as adhere to the American Athletic Conference and UCF rules, regulations and procedures. Lastly, ASSA assists student-athletes as it relates to the career development process.

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 learning-disabled student-athletes with assessments and accommodations.
- Providing student-athletes with computer access and services.
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 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:

- Major and Career Choices.
- Academic and Career Information.
- Resumes and Cover Letters.
- Interviewing Skills.
- Job Search Strategies.
- Employment Assistance (Career Fairs, On-Campus Recruiting, and Job Postings).
- Graduate School Information.

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: counctr@ucf.edu
http://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. CAPS is composed of professional staff including psychologists, mental health counselors, social workers, and counselors-in-training who provide a confidential atmosphere and a safe environment in which students can explore and resolve personal concerns and issues. CAPS also provides advanced training and supervision for graduate students in doctoral and masters counseling programs. 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.
- * Crisis afterhours hotline: 407-823-2811 Press #5
- 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.

For additional information, visit the CAPS website at http://caps.sdes.ucf.edu/.

Creative School for Children (CSC)
Director: Amy Hesse
CSC; 407-823-2726
Email: csc@ucf.edu
http://csc.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 is certified 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 and Summer Camp for children 6-12 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, graduate and undergraduate 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 5:30-9:15 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 advisors. 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 personal 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 their major. Students are provided major exploration and career development connections as primary advising initiatives so they can make an informed decision on their future major at UCF. MEP has several components including coordinated academic advising services from a first year advising office, major and career exploration programming activities, and online assessments. The program’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)
Director: Erin Butler
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),
Division of Student Development And Enrollment Services

Convocation: The Knighting, Common Reading Program, Out of State Student Mentoring Program (OSSM), and the Strategies for Success course (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, Strategies for Success course peer mentors, Pegasus Palooza executive board members, and Student Orientation Coordinators. FYE also oversees the Pegasus Parent Program, which aims to provide parents and family members 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: Clay Coleman
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 the development of fraternity and sorority leaders, the creation of 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 encourages students to group living and more importantly, developmental programming for individuals, chapters, charter 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 on Twitter. Currently, there are 47 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 fraternities or sorority recruitment. It is important to be familiar with each council’s specific requirements 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: Christ Hassler
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 new arrivals and is available for freshmen to graduate students. 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 living 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 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 educational and 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 academic 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 academic program is open to all first-time in college students prior to the beginning of their UCF career. Those accepted into the academic program have achieved student success.

All UCF students may participate in the LSA through various experiential tracks including campus engagement, civic engagement, women’s leadership, multicultural leadership, undergraduate research, the virtual leadership academy, study abroad 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 all Greek summer programs, Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother, Knight Alliance Network (for Foster Care alumni) and Multicultural Transfer Students 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
Ferrell Commons, Building 7C, Suite152; 407-823-6505
http://nrse.sdes.ucf.edu; http://offcampus.ucf.edu

While Neighborhood Relations and Safety Education is charged with assisting and providing information and resources for students, 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 unbiased information and instructions for students wishing to sublease their off-campus apartment; and offers "moving off-campus” consultations and information about local services, i.e. transportation, furniture rental, information, dry cleaning, shopping, and utilities.

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 reference, 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 alerts, awareness, and education to students and staff in an effort to prevent, protect, respond, and recover from safety and security challenges off-campus.

Office of Student Involvement (OSI)
Interim 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: Campus Activities Board (CAB), Graduate Outreach (GO) Homecoming, Knight-Thon, Knights of the Round Table (KoRT), Late Knights, OSI Podcasts, Regional Outreach Services (ROS), Student Government Association, Volunteer UCF (VUCF), and Knights of the Turntables, OSI’s DJ service. OSI wishes to support all members of our UCF community and encourages any person 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, SU 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, SU 142; 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. Programs are developed to develop awareness toward integrity, ethical decision-making, conflict resolution, and supportive communication. Services include mediation, coaching sessions, and outreach workshops. These services are designed to provide students (undergraduate and graduate) 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, SU 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 the office or can be viewed on the Internet at: http://goldenrule.sdes.ucf.edu.

Student Care Services (SCS)
Assistant Director: Ann Marie Palmer
Ferrell Commons, Building 7G, SU 142; 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.

Recreation and Wellness Center (RWC)
Executive Director: James Wilkening
RWC: 407-823-2408
http://rwc.sdes.ucf.edu

The Recreation and Wellness Center supports and strengthens the mission of the UCF. The mission of the department 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 softball/baseball field), the Challenge Course, a disc course and the Lake Claire Outdoor Recreation Area. 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, SU 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 student 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 health care is 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 RO is responsible for management of eligibility verification of classroom resources, readmission, student admission, residency reclassification, 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.
Division of Student Development And Enrollment Services

SDES TRiO Center
Director: Rebekah McCloud
HPH 208; 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. 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.

Project BEST
Project BEST/Student Support Services is a federally-funded TRiO program (U.S. Department of Education). The program supports college students who are first-generation, low income, and/or have a documented disability. The project offers academic support services and resources to assist Student Support Services scholars to successfully complete an undergraduate degree. 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.

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 provides programming and initiatives to advocate for a socially just campus community.

Student Academic Resource Center (SARC)
Director: Rebecca Piety
HPH 113; 407-823-5130
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, 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. 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.
The University Testing Center provides academic and professional testing services for UCF students and the community. UTC is an institutional, state, and national standardized test center. Institutional and state tests include Accuplacer; Critical Thinking Test; Distance Learning/Correspondence Exams; Florida Teacher Certification Examinations (FTCE); Foreign Language Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); UCF Math Placement Test; RN Predictor; and Test of Essential Academic Skills (TEAS).

UTC administers the following national standardized examinations:

- College Level Examination Program (CLEP).
- Graduate Record Examinations (GRE) – General Test and Subject Areas.
- Law School Admissions Test (LSAT).
- Medical College Admission Test (MCAT).
- Test of English as a Foreign Language (TOEFL iBT).

Accommodations for students with disabilities are made available in coordination with the Office of Student Accessibility Services.

Student Accessibility Services (SAS)

Executive Director: Adam Meyer
FC 165; 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 accommodations 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 advancing employability, independence and life satisfaction. Students admitted to UCF through this initiative will enroll as non-matriculated students.

Student Financial Assistance (SFA)

Director: Alicia Keaton
MH 120; 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 attainment 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: Matthew Betz
SU 214; 407-823-2191
http://www.ucfsga.com

The Student Government Association’s purpose is to represent students 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 and Express Printing 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 Nights, 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 Body president, vice president, and cabinet, and oversees the daily administrative operation of SGA. The Legislative branch funds the registered student organizations, also passes bills and resolutions benefitting 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. As of March 2015, SHS physicians are contracted in-network providers with BlueCross BlueShield PPO and Blue Options, United Healthcare, Aetna, AvMed, and Cigna health insurance plans. This enables 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. Please 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 campus SHS programs, such as hospital referrals 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 at 407-923-1835. Prices are discounted for students. The Dental Center accepts dental insurance (PPO), Medi-Cal, and Medicare. Fee plans and payment plans are available for various treatment plans.

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.
Division of Student Development And Enrollment Services

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 Services Building, and the satellite pharmacy is located within the Student Union. 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 telephone message at 407-823-2701 or its website that provides access to a 24-hour Nurse Line and FreeMD (the web-based internet 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.shs.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, name changes, Chapter 7 Bankruptcies, traffic tickets, criminal cases including misdemeanors and felonies of third degree, and sealing and expunging of criminal records. Services are provided free of 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; 407-823-2850
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 preparation processes. SOS is committed to partnering with the UCF community and other external agencies and organizations vital to providing quality programming for all of participants.

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 Joffrey’s Coffee, Greens Salad Bar, Smoothie King, Subway, Dominos, Pita Spot, Wackadoo’s Grub and Brew, Qdoba, Nathan’s, and Subway. The Student Union also operates the Knights Helping Knights CAFE, the Student Union Bookstore, and the Union Ticket Office, SGA Computer and Express Labs, 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 at Ferrell Commons and the All Knight Study Lounge located at the UCF Arena. The UCF Arena is generally open 24/7 and Ferrell Commons location is open 24/5 (excluding holidays and semester breaks) as well as Bike Repair and Bike Share 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:

- General advising and referral for transfer students before and after they enroll at UCF.
- 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 the UCF.

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

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

The Veterans Academic Resource Center 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.

Located at UCF Knights Plaza/CFE Arena, across from Barnes & Noble@UCF, the VARC is open 9 a.m.-5 p.m., Mondays through Fridays, and provides study, tutor, and a lounge area for student veterans, as well as programs and events designed specifically for student veterans’ needs.

Veteran Services
Assistant University Registrar: Bethany Glassbrenner
Veterans Academic Resource Center, CFE Arena; 407-823-2707
Email: varc@mail.ucf.edu
http://varc.sdes.ucf.edu/benefits

Veteran Services serves all veteran students and eligible dependents who are using VA educational benefits to further their education. The office provides information concerning entitlements, filing claims to the Department of Veterans Affairs (DVA), certifying enrollment at the university, and deferring tuition and fee payments. Veterans and eligible dependents must be certified through Veteran Services each term to receive VA educational benefits. All veterans and eligible dependents are urged to consult Veteran Services early in the UCF admissions process for information about Veteran Services.

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 VA’s enrollment of tuition and fees. The VA Deferrable 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 deferment.

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For fall and 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 Veterans Services website for summer term course load and other FAQs.

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

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct. Individuals placed on academic probation must raise their grades to a UCF GPA of 2.0 or above and be removed from probation within the next two semesters to continue to receive benefits. Accordingly, 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 Veterans 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 Veterans 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. Out-of-state student veterans and dependents may apply for “Yellow Ribbon” program eligibility when certifying their GI Bill education benefits. 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 state-wide 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 to transfer 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 course credits 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 Met” placed on your transcript to assure getting credit for meeting General Education and Gordon Rule requirements. Without this statement you must satisfy UCF’s general education requirements and Gordon Rule courses. If your grade point average falls below a 2.0 (without grade forgiveness), you will not be admitted.

What 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 (documented 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 coursework or by 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 classes are completed.
- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.
- Complete the “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></th>
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<tbody>
<tr>
<td>Y___ N___</td>
<td>met with a DirectConnect advisor</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>met with counselor or advisor for graduation check</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>completed application for graduation</td>
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</tbody>
</table>

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

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

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

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<thead>
<tr>
<th>Housing</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Y N</td>
<td>reviewed OCSS handbook: Survival Guide for Living off Campus</td>
</tr>
<tr>
<td><em><strong>/</strong></em>/___</td>
<td>date application sent (include deposit when required)</td>
</tr>
</tbody>
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<tr>
<th>Immunization</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><em><strong>/</strong></em>/___</td>
<td>date Student Health Form submitted</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>need immunizations</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Foreign Language Requirements (Admission)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___</td>
<td>2 years/units earned in high school</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>Elementary level 2 earned in college</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>credits to be taken at the university</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>
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<tbody>
<tr>
<td>Y___ N___</td>
<td>selected a major</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>completed major prerequisites</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>submitted limited access application</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>met grade point average (GPA) requirements</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>met cumulative GPA for admission to program of study</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>met cumulative GPA in courses taken for program of study</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>met grade requirements for designated courses</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>met audition/portfolio/additional admission requirements</td>
</tr>
</tbody>
</table>

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<tr>
<th>Orientation:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td><em><strong>/</strong></em>/___</td>
<td>Orientation date at UCF</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 in Colbourn Hall (CHN) room 201 and advisors can be reached via email at cahsa@ucf.edu or in person by visiting CAHSA during regular business hours. Students can also access CAHSA’s website at http://www.cahsa.cah.ucf.edu.

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

College of Business Administration

The College of Business Administration (CBA) strives to provide its students with the highest quality academic advising and career coaching. 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 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; 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 148;
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 posted 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.

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 GEP) to meet the variable requirements of the Florida medical schools:

- General Biology: BSC 2010, BSC 3403C*
- General Chemistry: CHM 2045C, 2046, 2046L
- Organic Chemistry: CHM 2210, 2211, 2211L
- Biochemistry: BCH 4053 or BCH 4024
- Biochemistry/Molecular Lab: BSC 3403C
- Microbiology: MCB 3020C
- Calculus: MAC 2253 (prefer MAC 2311, 2312)
- Physics: PHY 2053C, 2054C or PHY 2048, 2049

*Note: *BSC 3403C is required for the College of Medicine.

UNIVERSITY OF CENTRAL FLORIDA
Statistics STA 2023
Immunology PCB 3233 and PCB 3233L
Neurobiology ZOO 3744
Psychology/Sociology See recommended list in advising offices

*Biomedical 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 exams admission (DAT, MCAT, OAT, GRE, etc.). In addition, most four-year health professions schools subscribe to professional application services (AMCAS, ADDSAS, ACOMAS, etc.), thus requirement of a thorough application packet provided by the various application services.

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

New students will:
1. Meet in a group setting during Orientation with representatives from the College of Sciences to discuss college policies and procedures.
2. Meet with representatives of the department of the major to discuss major requirements and plan what courses to take.
3. Refer to COSAS any questions pertaining to General Education requirements, AP and CLEP credit, Gordon Rule, university credit hour requirements, university policies and procedures, prerequisite enforcement process, etc.;
4. Check their "Fee Invoices" to ensure accuracy of their class schedules.

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 they 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 at http://www.cos.ucf.edu/cosas/current-students-academic-probation/. Regional Campus students and distance learners 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://www.cos.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://www.cos.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.

Academic Advising

College of Nursing
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 in 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, College of Undergraduate Student Services, during the first few weeks of each semester to check progress toward eligibility for application to the major.
3. View a Degree Audit through myUCF 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 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 an 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.

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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.

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, including declaring a minor;
3. For IDS-General Studies and WST Track: Meet with an advisor in the department of the minor to review the minor’s program requirements;
4. Refer to Academic Services any questions pertaining to general education requirements, AP and CLEP credit, Gordon Rule, and other policies and procedures as appropriate; and,
5. Register for classes online.

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

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 Co-coa 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. Prospective transfer students have the opportunity to meet with a Professional or Faculty Advisor prior to applying to UCF to discuss degree programs and requirements. UCF bound students at our partner institutions are encouraged to meet with a DirectConnect Coordinator or Transfer Advisor 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 will continue to receive advising on the Regional Campus of their choice for the programs that are available on that campus. For a list of the academic programs available through the Regional Campus System, see ‘UCF Regional Campuses’ within the “University of Central Florida” section of the Undergraduate Catalog.

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.

UCF Regional Campuses also administers all aspects of the Central Florida Higher Education Consortium comprised of UCF and its partner institutions 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 need in Central Florida.
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 midterms for the Fall semester. Summer and Fall Registrations begin following the midterms 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 the 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 two hours of out of class student work each week for approximately fifteen weeks for one semester or the equivalent amount of work over a different amount of time; 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
Credit Hours

<table>
<thead>
<tr>
<th>Enrollment 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>
</tr>
<tr>
<td>Half Time</td>
<td>6-8</td>
</tr>
<tr>
<td>Less Than Half Time</td>
<td>less than 6</td>
</tr>
</tbody>
</table>

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

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

Excess Hours
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 enrolling in appropriate courses. 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 that degree program.

Holds
A hold (negative student 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.

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 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 will be awarded). Forms available 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 other academic work leading to the award of credit hours.

State of Florida Employee and UCF Employee Registration
State of Florida employees 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
- Continuing Education
- Off-campus credit
- Soldiers-to-Scholars
- 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 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 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree-seeking student.
6. Limited Non-degree students are not eligible to receive financial aid nor to participate in intercollegiate sports;
7. Students must complete a Limited Non-Degree Seeking Status Registration Form.

Academic Regulations and Procedures

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 listed in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendars. 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/calendars will result in the student being assessed regular fees. The tuition fee waiver cannot be used for courses that require increased costs, including, but not limited to courses offered through the Center for Continuing Education, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, co-ops, practicums, or applied, individualized instruction in music, art, or dance. Eligible members of the active Florida National Guard may receive a waiver of 50% of tuition and material and supply fees.

State University System (SUS) Florida Transient Students

An SUS Transient Student is a student in good standing who is seeking a degree from one of the other Florida public universities (SUS) and is desiring to take courses with UCF. Transient credit is on a space-available basis only. Registration is on a space-available basis during the last hours of registration as listed in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendars. 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 and must be submitted online or delivered/mail to the Registrar’s Office (MH 161), by the deadline listed in the “Academic Calendar” online at http://calendar.ucf.edu. Students should visit the Registrar’s Office website at http://www.registrar.ucf.edu or contact the Registrar’s Office for registration information at 407-823-3100.

UCF Students Attending Another Florida Public Institution

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

UCF Students Attending a Non-SUS Institution

A UCF degree-seeking student desiring to earn credit at another college or university for transfer back into a UCF degree program must obtain permission and approval from the student’s college Department Chair 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. Students seeking transient status must complete the “Transient Approval Form,” available from the college or school advising office or 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 https://www.registrar.ucf.edu/STEP or by visiting the Registrar’s Office (MH 161) or by fax at 407-823-5652. Faxed requests must be received by 5:00 p.m. on the last day to withdraw and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students may also mail a written request to the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped 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 petition 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. Withdrawal 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, or 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 from a class.

Late Drop:

Following the close of the Drop/Swap period each term as published in the academic calendar, students withdrawing from courses will incur both grade and fee liability. No drop is permitted after the dropswap 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. If approved, a late drop includes 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 all 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 petition 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 "WF" will affect the calculation of the student’s Grade Point Average. Late withdrawals normally are 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...
Beginning Fall 2001, a plus/minus grading system became effective, with a grade point equivalent per semester hour as follows:

<table>
<thead>
<tr>
<th>Grade Points Per</th>
<th>Grades</th>
<th>Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>5.00</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
<td></td>
</tr>
<tr>
<td>B+</td>
<td>3.25</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
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</tr>
<tr>
<td>F</td>
<td>0.75</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>0.00</td>
<td></td>
</tr>
</tbody>
</table>

**Legend**

- **G**: Repeated Course (Grade Forgiveness, multiple attempts)
- **I**: Incomplete
- **K**: Repeated course (Latest Attempt)
- **N**: No grade reported by instructor (followed by grade)
- **P**: Repeated Course (Not Grade Forgiveness)
- **R**: Repeated course (Grade Forgiveness)
- **S**: Satisfactory (w/credit)/Satisfactory Progress (Research, Thesis, or Dissertation)
- **T**: (followed by grade) Subsequently repeated (no credit)
- **U**: Unsatisfactory (no credit)
- **W**: Withdrawn
- **WF**: Withdrawn Failing
- **WH**: Health Form Withdrawal
- **WM**: Medical Withdrawal
- **WP**: Withdrawn Passing
- **X**: Audit (no credit)

The designations of "W" and "U" for a student who has not submitted an appeal within 30 days from the date of notification of the denial. The designations must be based upon new or missing evidence that was not previously presented. The designations may be removed if the student later submits an appeal.

**Academic Withdrawal and Academic Behavior Violations**

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

Should an alleged violation of academic behavior standards arise before the withdrawal deadline in a term, the instructor shall notify the unit head who will notify the Office of Student Rights and Responsibilities or designee of the outcome. For additional information regarding Academic Behavior Violations, see the current Golden Rule (http://www.goldenrule.sdes.ucf.edu).

**Grade System**

The University uses an alphabetic system to identify student grades and other actions regarding student progress or class attendance.
Academic Regulations and Procedures

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. If the course requirements are completed in a satisfactory manner in a period 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 “F” and grades earned by administrative withdrawals. GPA is recalculated after the grade change. Grade change requests for withdrawn grades 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 among instructors and academic units, and they must observe any additional attendance requirements stipulated by their college, school, department, program, or instructor. Reasons for acceptable absences may include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, professional conferences), military obligations, severe weather conditions, and religious holidays.

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a “Program Verification” form. Program Directors shall provide each student with a copy of this form. It is the student’s responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 142; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch 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 resulted in a fine of $200 or more) may have circumstances of the case reviewed by the Office of Student Conduct (FC 154) to consider eligibility for admission.

Religious Observances
It is the practice of the University of Central Florida to reasonably accommodate the religious observances, practices, and beliefs of individuals in regard to admissions, class attendance, and the scheduling of examinations and work assignments. A student who desires to observe a religious holy day of his or her religious faith must notify his or her instructor 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. Where practicable, major examinations, major assignments, and University ceremonies will not be scheduled on a major religious holy day.

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

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

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

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

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

Other Student Classifications:
Auditor:
A student registered for any credit course who is not seeking credit.

Co-op Student:
A student enrolled in the Center for Cooperative Education and Applied Learning Program remains a registered student during all off-campus assignment semesters. Furthermore, there is no lapse in continuity in the co-op academic calendar; a co-op student either is on assignment or attending class during each term.

UNIVERSITY OF CENTRAL FLORIDA
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]. Grade Forgiveness 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” 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 may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or more courses at a Florida College System institution or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;
9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disqualification). In addition, no academic records can be altered after a student graduates;
10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once; and,
11. With prior approval from the Dean’s office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).

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

Academic Standing

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

Good Standing

Good standing indicates only that the student is meeting the minimum academic standard for retention by the University (minimum term
Academic Regulations and Procedures

GPA, 2.0). To meet graduation requirements, however, the student must have a minimum UCF GPA of 2.0.

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

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

Disqualified (First Suspension)
A student on Academic Probation is Disqualified upon failure to achieve a minimum 2.0 GPA during the subsequent term. A student who is Disqualified may not enroll at the University for two semesters following disqualification. Readmission after two semesters is not automatic. Disqualified students are required to have completed the Florida AA degree, or have completed UCF's general education program and Gordon Rule requirements, before petitioning for readmission. A Disqualified student must submit an application for Readmission supported by a letter documenting the reasons for previous academic difficulties, clear evidence of satisfactory academic performance since leaving the university, and plans for achieving a GPA of 2.0 or better. A disqualified student is limited to petition for readmission once per year (365 days). The total record will be reviewed and action on readmission will be taken by the Undergraduate Registrar. Any Disqualified student whose UCF grade point deficiency is equal to or greater than 30 grade points is not eligible for readmission. For readmission purposes only, “grade point deficiency” is defined as the number of UCF credit hours earned with a “C” (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0.

Exclusion (Second Suspension or more)
A student readmitted following Disqualification who fails to achieve a minimum 2.0 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 by UCF;
3. the student failed to enroll or withdrew from all classes during the readmitted term;
4. the student has previously attended, or is currently enrolled at UCF, as “degree-seeking” and desires to pursue a second bachelor’s degree.

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

Readmission Following Non-Enrollment for Two Consecutive Semesters
The student must complete and submit the "Readmission Application Form," available on [https://my.ucf.edu](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 Academic..." 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 to be sent to the Registrar's Office. If the student was previously admitted to a UCF limited-access program, the student will be placed in pending status for that major and must apply to the College for readmission to the program. Plus or minus grades will transfer for course work earned Fall 2001 and after using UCF’s grade point system.

Readmitting students classified as a “Florida resident” during the last term at UCF who have resided outside of the State of Florida for one year may not be eligible for readmission as 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 resident status for tuition purposes. For eligibility requirements, refer to “Florida Residency for Tuition Purposes” within “Financial Information” of the Undergraduate Catalog.

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

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

Readmission Following Suspension: Disqualification, with a Grade Point Deficiency of Less than 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 term academic suspension period may petition for readmission by submitting the "Readmission Application Form" to the Registrar's Office. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a "B" (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission. The petitioning student must satisfy the following requirements before a decision will be made:

1. Submit a written statement indicating the reason for the previous academic difficulties and a plan for ensuring success in future terms:
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification Number (PID);
   b. A "Readmission Application Form" not accompanied by the required written statement will not be reviewed;
2. Contact the Registrar’s Office for information specific to readmission following disqualification. 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
3. Submit to the Registrar’s Office official transcripts from all other schools attended during suspension (if applicable).

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

Readmission Prior to Completion of the Required Suspension
A student who has been academically Disqualified by UCF who has not completed the academic suspension period is not eligible for readmission to the University. Students may appeal for an exception to this policy to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. Disqualified students are limited to one readmission appeal during the disqualification period and one appeal per 12-month period following the disqualification period.
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1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);
2. Prepare a written statement specifying the extenuating circumstances that led to their poor academic performance or academic dismissal.
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification number (PID).
   b. An “Application for Readmission as an Exception to University Policy” form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($10 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;
6. Submit one stapled packet of appellant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the scheduled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:
   a. A completed “Application for Readmission as an Exception to University Policy Form”;
   b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;
   c. Any supporting documentation as directed by the college, school or other University personnel;
   d. Any additional supporting documentation (optional); and,
    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 readmission 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, that may be 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;

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

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

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

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

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

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

Right of Appeal
A student who has been denied readmission has thirty (30) days from the date of the denial to appeal to the Admission and Standards Committee. The appealing student must satisfy the following requirements before the Registrar’s Office will forward the appeal to the Committee:

- Provide documents which support and/or verify the extenuating circumstances (if applicable);
- Supply official transcripts from all other schools attended during the suspension (if applicable);
- Order one official copy of the UCF official transcript ($10 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;
- Submit one stapled packet of appellant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the scheduled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:
  a. A completed “Application for Readmission as an Exception to University Policy Form”;
  b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;
  c. Any supporting documentation as directed by the college, school or other University personnel;
  d. Any additional supporting documentation (optional); and,
  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 readmission 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, that may be 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.

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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;
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c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.); and,
d. Complete and submit an Academic Amnesty Agreement to the Admission and Standards Committee.

2. The UCF Admissions and Standards Committee will determine a student’s eligibility for entrance into the Academic Amnesty Program.

Athletic Eligibility and Retention Committee

The Athletic Eligibility and Retention Committee (AERC) has oversight of the 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 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 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 student’s responsibility to make appropriate changes to the address online at myUCF as they occur. Address and email changes also can be made by writing to 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 are made online via myUCF (https://my.ucf.edu), through the Registrar’s Office in person, or by mail. “Transcript Request Forms” are also available on the Registrar’s Office website at http://www.registrar.ucf.edu/forms/transcript_request/. A student’s academic record can be released only upon written authorization signed by the student. Telephone and email requests are not accepted. Transcripts cannot be released if the student is on Hold due to a financial obligation to the University. Transcript requests must include the student’s signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are needed, indicate that the transcript request is to be held until all required data is posted.

A $10 per transcript charge is assessed for each transcript request. Payment for official transcripts is required at the time of request and may be satisfied by credit card, cash, check or money order (made payable to UCF), or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier’s Office during that office’s regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Student Account Services (MH 109). Mail written requests for transcripts to: Registrar’s Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-0114. Requests require at least 2 business days to process. Transcripts not claimed with 30 days of printing will be discarded and must be reordered. A $10.00 per reordered transcript fee must be submitted with the reorder request. Grades are available from myUCF at https://my.ucf.edu.

Third Attempt Course Repeat Surcharges

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

Extenuating Circumstances

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

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

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

Financial Hardship:

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

1. Qualification for federal need-based financial aid; or,
2. Other documented financial hardship may be considered.

For details, contact Student Account Services (MH 109) at 407-823-2433.

Major, Minor, Undergraduate Certificate Policies

Policy for Undeclared Students

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

Majors

The University assigns the major that the student indicated on the “Application for Admission or Readmission.” It is the student’s responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an “Undeclared” or “Undecided” major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a “Pending” category to the equivalent major (e.g., “Business Pending” to “Accounting”). If the new major is a different subject from the “Pending” major (e.g., “Business Pending” to “History”), the student must adopt the most current Catalog and the University automatically will update the Catalog year when processing the change in major. 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. Students 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 online submission of the online “Intent to Graduate Form.” Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from a single UCF Undergraduate Catalog for which a student is eligible. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second degree is earned, certification will not be made at a later time even if additional courses have been completed. 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 are digitally scanned. Once the student has been absent from the University for three academic years, all records may be transferred to optical disk storage and the paper copies destroyed.

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

1. The right to inspect and review the student’s education records within 30 days of the day the University receives a written request for access. Students should submit to the University Registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they desire to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed;
2. The right to request the amendment of the student’s education records 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 person 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 for confidentiality. For additional information describing FERPA policy, enter the Department of Education Family Policy Compliance Office website at http://www.ed.gov/offices/OM/fpco/.

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

The University of Central Florida provides a number of options by which students may shorten the time required to complete the baccalaureate degree. These options permit the University to recognize high levels of academic achievement and acquisition of knowledge prior to or during attendance at the University. Procedures that may be used include the Advanced Placement Program (AP), the College Level Examination Program (CLEP), University Course Credit by Examination, DANTES, and the International Baccalaureate. A maximum of 45 credit hours in any combination of extension, AP, IB, correspondence, CLEP, Armed Forces Service School Credits, and University Credit by Examination will be accepted by the University for application toward an undergraduate degree. 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 sub-test areas for which credit may be awarded.

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

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### ADVANCED PLACEMENT (AP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>Score of 4</th>
<th>Score of 5</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>ARH 1000</td>
<td>ARH 2050 and 2051</td>
<td>Same as 4</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Biology</td>
<td>BSC 1002/1005L</td>
<td>BSC 2010C</td>
<td>Same as 4</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
<td>Same as 3</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
<td>Same as 4</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020 &amp; 1020L</td>
<td>CHM 2045C</td>
<td>Same as 4</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Chinese Language &amp; Culture</td>
<td>CHI 2200</td>
<td>CHI 2200 and 2201</td>
<td>Same as 4</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>CGS 1075</td>
<td>same as 3</td>
<td>Same as 3</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Computer Science AB</td>
<td>CGS 1076</td>
<td>same as 3</td>
<td>Same as 3</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Economics: Macro</td>
<td>ECO 2013</td>
<td>SOC Found 1</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Economics: Micro</td>
<td>ECO 2023</td>
<td>SOC Found 1</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>English Language and Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>ENC 1101 and 1102</td>
<td>COM Found 1 and 2</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>ISC 1051</td>
<td>Same as 3</td>
<td>ENC 1101 and LIT 1005</td>
<td>COM Found 1 and 2</td>
</tr>
<tr>
<td>European History</td>
<td>EUH 1009</td>
<td>Same as 3</td>
<td>ENC 1101</td>
<td>CUL and HIS Found 1 and 3</td>
</tr>
<tr>
<td>French Language &amp; Culture</td>
<td>FRE 2200</td>
<td>FRE 2200 and 2201</td>
<td>Same as 4</td>
<td>CUL and HIS Found 1 and 3</td>
</tr>
<tr>
<td>German Language &amp; Culture</td>
<td>GER 2200</td>
<td>same as 3</td>
<td>Same as 3</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Government and Politics: Comparative</td>
<td>CPO 1002</td>
<td>same as 3</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Government and Politics: United States</td>
<td>POS 2041</td>
<td>same as 3</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Human Geography</td>
<td>GEO 2400</td>
<td>same as 3</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
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<tr>
<td>Italian Language &amp; Culture</td>
<td>ITA 2200</td>
<td>ITA 2200 and 2201</td>
<td>same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Japanese Language &amp; Culture</td>
<td>JPN 2200</td>
<td>JPN 2200 and 2201</td>
<td>same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Latin: Literature</td>
<td>LNW 3700</td>
<td>same as 3</td>
<td>Same as 3</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Latin: Vergil</td>
<td>LNW 2321</td>
<td>same as 3</td>
<td>Same as 3</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Music Theory</td>
<td>MUT 1001 if composite score is 3 or higher</td>
<td>same as 3</td>
<td>Same as 3</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Physics 1</td>
<td>PHY 2053C</td>
<td>SCI Found 1</td>
<td>same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics 2</td>
<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics B</td>
<td>PHY 2053C</td>
<td>SCI Found 1</td>
<td>same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics C: Electricity/Magnetism</td>
<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics C: Mechanics</td>
<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Psychology</td>
<td>PSY 2012</td>
<td>SCI Found 1</td>
<td>same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>SPH 2200</td>
<td>SCI Found 1</td>
<td>same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Spanish Literature</td>
<td>SPH 3100</td>
<td>SCI Found 1</td>
<td>same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Statistics</td>
<td>STA 2223</td>
<td>SCI Found 1</td>
<td>same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Studio Art: Drawing Portfolio</td>
<td>ART 2300</td>
<td>same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Studio Art: 2-D Design Portfolio</td>
<td>ART 2201C</td>
<td>same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Studio Art: 3-D Design Portfolio</td>
<td>ART 2200C</td>
<td>same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>United States History</td>
<td>AMH 1000</td>
<td>SCI Found 1</td>
<td>AMH 2010 and 2020</td>
<td>CUL &amp; HIS Found 1 &amp; 3 and SOC Found 1</td>
</tr>
<tr>
<td>World History</td>
<td>WOH 2022</td>
<td>SCI Found 1</td>
<td>WOH 2022</td>
<td>CUL &amp; HIS Found 1</td>
</tr>
</tbody>
</table>

*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.

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UNIVERSITY OF CENTRAL FLORIDA

66  Undergraduate Catalog 2016-2017
Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit for scores of four or higher in the subsidiary and higher level program areas. The table below labeled “International Baccalaureate” provides information related to the International Baccalaureate program credit.

### INTERNATIONAL BACCALAUREATE

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<tbody>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 1005/1005L and BSC 2010C</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Business Management</td>
<td>GEB 2011</td>
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<td>GEB 2011 and 2005</td>
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</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020 and 1020L</td>
<td>SCI Found 1</td>
<td>CHM 1020/1020L and CHM 2045C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Computer Science</td>
<td>CCS 1076</td>
<td>MAT Found 2</td>
<td>CCS 1076 and 1906</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
<td></td>
<td>ETI 1410 and 1906</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td></td>
<td>ECO 2013 and 2023</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
<td></td>
<td>EVR 1017 and 1906</td>
<td></td>
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<tr>
<td>English A1</td>
<td>ENC 1101</td>
<td>SCI Found 2</td>
<td>ENC 1101 and 1102</td>
<td>COM Found 1 and 2</td>
</tr>
<tr>
<td>Environmental Systems</td>
<td>ISC 1050</td>
<td>SCI Found 2</td>
<td>ISC 1050 and 1906</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Film Studies</td>
<td>FIL 1001</td>
<td>CUL and HIS Found 2</td>
<td>FIL 1001 and 1002</td>
<td>CUL and HIS Found 2</td>
</tr>
<tr>
<td>French</td>
<td>FRE 1121</td>
<td>MAT Found 1</td>
<td>FRE 1121C and 2200</td>
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<tr>
<td>Further Mathematics</td>
<td>MTH 1202</td>
<td>MAT Found 2</td>
<td>MTH 1202 and 1209</td>
<td>MAT Found 1</td>
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<tr>
<td>(Advanced Mathematics)</td>
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<td></td>
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<tr>
<td>Geography</td>
<td>GEA 1000</td>
<td></td>
<td>GEO 1200 and 1400</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>German</td>
<td>GER 1121</td>
<td></td>
<td>GER 1121C and 2200</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>History</td>
<td>WOH 1000</td>
<td>CUL &amp; HIS Found 1</td>
<td>WOH 1000 and WOH 1999</td>
<td>CUL &amp; HIS Found 1</td>
</tr>
<tr>
<td>Information &amp; Information Technology for a Global Society</td>
<td>IDS 1906 (3 credits)</td>
<td></td>
<td>IDS 1906 (6 credits)</td>
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<tr>
<td>Islamic History</td>
<td>ASH 1900</td>
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<td>ASH 1900 (6 credits)</td>
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</tr>
<tr>
<td>Italian</td>
<td>ITA 1121</td>
<td></td>
<td>ITA 1121 and 2200</td>
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<tr>
<td>Latin</td>
<td>LAT 2230</td>
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<td>LAT 2230 and 1906</td>
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</tr>
<tr>
<td>Marine Science</td>
<td>BSC 2311/231L (3 credits)</td>
<td>Same as 4 (min of 6 credits)</td>
<td>Same as 4 (min of 6 credits)</td>
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<tr>
<td>Math Methods</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
<td>MAC 1105 and 1140</td>
<td>MAT Found 1</td>
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<tr>
<td>Math Studies</td>
<td>MAT 1033</td>
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<td>MAT 1033 and MGF 1106</td>
<td>MAT Found 1</td>
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<tr>
<td>Mathematics</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
<td>MAC 1147 and 2233</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Music</td>
<td>MUL 2010</td>
<td>CUL &amp; HIS Found 2</td>
<td>MUL 2010 and HUM 1906</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Philosophy</td>
<td>PHI 2010</td>
<td>CUL &amp; HIS Found 2</td>
<td>PHI 2010 and 1906</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Physics</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Psychology</td>
<td>PSY 2012</td>
<td>SCI Found 2</td>
<td>PSY 2012 and 1906</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Social Anthropology*</td>
<td>ANT 2410</td>
<td>SCI Found 2</td>
<td>ANT 2410 and 1906</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 1121</td>
<td>CUL &amp; HIS Found 2</td>
<td>SPN 1121 and 2230</td>
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</tr>
<tr>
<td>Theatre Arts</td>
<td>THT 2000</td>
<td>CUL &amp; HIS Found 2</td>
<td>THE 2000 and 1906</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>ART 1012</td>
<td></td>
<td>ART 1012 and 1906</td>
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*This use for General Education applies only to I.B. credit.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Scale Score of 50 for passing</th>
<th>GEP Usage</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Accounting, Principles of</td>
<td>ACG 1001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algebra, College</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
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<tr>
<td>Algebra-Trigonometry, College</td>
<td>MAC 2147</td>
<td>MAT Found 1</td>
<td></td>
</tr>
<tr>
<td>American Government</td>
<td>POS 2041</td>
<td>SOC Found 1</td>
<td></td>
</tr>
<tr>
<td>American Literature</td>
<td>AML 1000</td>
<td>CUL &amp; HIS Found 2</td>
<td></td>
</tr>
<tr>
<td>Biology, General</td>
<td>BSC 1005</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
<td></td>
<td></td>
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<td>Trigonometry</td>
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UNIVERSITY OF CENTRAL FLORIDA

Academic Regulations and Procedures
International Baccalaureate (all modern languages)
International Baccalaureate offers examinations in many languages and literatures at different levels: B, A2, and A1. Most students in Florida take English as their A1 level language (literature for native or near-native speakers) and one or more foreign Language B exams. Within each category, there are “standard” and “higher” level 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, nor received credit by UCF (transfer or otherwise) in a more advanced course in the examination area; and e) does not complete nor receive credit by UCF (transfer or otherwise) in a more advanced course during the term in which the CLEP examination is taken.

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

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

Regularly enrolled (excludes transient and non-degree) undergraduate students at the University of Central Florida may obtain credit for specific University courses through departmental examinations. A student who believes he or she has acquired the knowledge and/or skills of a specific University course should consult his or her advisor and the chair of the department in which the course is offered to arrange for an examination. Degree credit will be awarded for those courses successfully completed by departmental examination. Credit by examination may not be used to reduce the 30 credit hour 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.

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

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.

CAMBRIDGE AICE EXAMS

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
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<td>ENC 1101</td>
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<tr>
<td>Accounting (A-Level)</td>
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<td>MAT Found 2</td>
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<tr>
<td>Applied ICT – Information, Communication Technology (AS-Level)</td>
<td>CBS 1000 or CBS 1001</td>
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<td>Business Studies (AS-Level)</td>
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<td>Classical Studies (AS-Level)</td>
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<td>Computing (AS-Level)</td>
<td>CBS 1000</td>
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<td>Design &amp; Technology (A-Level)</td>
<td>ETI 1460</td>
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<td>Economics (AS-Level)</td>
<td>ECO 1000</td>
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<td>Economics (A-Level)</td>
<td>ECO 1000</td>
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<td>English - Language (AS-Level)</td>
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<td>English - Language (A-Level)</td>
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<td>COM Found 1</td>
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<td>English - Literature in English (AS-Level)</td>
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<td>English - Literature in English (A-Level)#</td>
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<td>Environmental Management (AS-Level)</td>
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*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.
### Excelsior College Examinations (see table below)

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

### UEXCEL Credit by Examination (see table below)

The table labeled “UEXCEL Credit by Examination” provides information related to the UEXCEL program developed jointly by Excelsior College and Pearson. More detailed information about the UEXCEL program, including test descriptions can be found online at [http://www.uexceltest.com/about-uexcel](http://www.uexceltest.com/about-uexcel).

#### DANTES SUBJECT STANDARDIZED TESTS (DSST)

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<td>Introduction to Law Enforcement</td>
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<td>Money and Banking</td>
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#### EXCELSIOR COLLEGE EXAMINATIONS TABLE

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<th>GEP Usage</th>
<th>Passing Grade Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>(3 credits per course)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td></td>
<td>C</td>
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<tr>
<td>Earth Science</td>
<td>ESC 1000</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>C</td>
</tr>
<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td></td>
<td>C</td>
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<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Introduction to Music</td>
<td>MUH 1011</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Labor Relations</td>
<td>MAN 1400</td>
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<td>C</td>
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<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
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<td>C</td>
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<td>Managerial Accounting</td>
<td>ACG 2071</td>
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<td>C</td>
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<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
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<td>C</td>
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<tr>
<td>Principles of Marketing</td>
<td>MAR 2011</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Workplace Communication with Computers</td>
<td>GST 2335</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>World Conflicts since 1900</td>
<td>WOH 2040</td>
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### UEXCEL CREDIT BY EXAMINATION

<table>
<thead>
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<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Score</th>
</tr>
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<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>
<td></td>
<td>C</td>
</tr>
</tbody>
</table>
Requirements for Graduation

Students must fulfill both the requirements for a major and University requirements to receive a baccalaureate 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 120 hours, the specific residency requirement increases proportionally and is listed with the requirements for the specific degree program;
- Earn a minimum of 60 credit hours after CLEP credit has been awarded;
- Apply no more than 45 credit hours in any combination of extension, correspondence, CLEP, University Credit by Examination and Armed Forces credits toward an undergraduate degree;
- Fulfill the General Education Program requirements;
- Fulfill the Gordon Rule requirements;
- Fulfill the Foreign Language requirements as defined elsewhere in this section;
- 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 Summer, and Fall). Continuous enrollment is automatically broken when a student moves from one transfer institution to another following academic disqualification or exclusion.

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

UNIVERSITY OF CENTRAL FLORIDA

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Undergraduate Catalog 2016-2017

General Education Program (GEP)

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

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

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. 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 1, 2 ........................................ 3(3.0)
2. ENC 1102 Composition II PR: ENC 1101 1, 2 .............. 3(3.0)

B. Cultural and Historical Foundation .................................................. 9 hours
1. EUH 2000 Western Civilization I ........................................ 3(3.0)
2. ARH 2505 History of Western Art ........................................ 3(3.0)
3. ARH 2551 History of Western Art II ..................................... 3(3.0)
4. THE 2000 Theatre Survey ..................................................... 3(3.0)
5. FIL 1000 Cinema Survey ....................................................... 3(3.0)
6. REL 2300 World Religions ..................................................... 3(3.0)
7. PHI 2100 Introduction to Philosophy ..................................... 3(3.0)
8. LIT 2110 World Literature I PR: ENC 1102 2 ...................... 3(3.0)
9. LIT 2120 World Literature II PR: ENC 1102 2 ...................... 3(3.0)

C. Mathematical Foundation ............................................................... 6 hours
1. MAC 1105C College Algebra ............................................... 3(1.3)
2. MAC 2233C 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)

2. CGS 1060C Introduction to Computers 2 ......................... 3(2.2)
3. STA 1063C Basic Statistics using Microsoft Excel 2 ........ 3(2.1)
4. STA 2014C Principles of Statistics 2 .................................... 3(3.0)
5. STA 2023 Statistical Methods I .......................................... 3(3.0)

D. Social Foundation ........................................................................ 6 hours
1. ECO 2003 Principles of Macroeconomics .......................... 3(3.0)
2. POS 2051 American National Government ..................... 3(3.0)
3. AMH 2020 U.S. History: 1877-present 2 ............................ 3(3.0)

4. PSY 2110 General Psychology .............................................. 3(3.0)
5. SYG 2000 Introduction to Sociology ..................................... 3(3.0)
6. ANT 2000 General Anthropology ......................................... 3(3.0)

E. Science Foundation ....................................................................... 6 hours
1. AST 2002 Astronomy PR: High School Algebra or MAC 1105C 3(3.0)
2. PSC 1121* Physical Science PR: High School Algebra or MAC1105C 3(3.0)
3. PHY 2020 Concepts of Physics ............................................. 3(3.0)
4. PHY 2053C College Physics I: MAC 1105C and MAC 1114C 4(3.3)
5. PHY 2048C General Physics Using Calculus I ................... 4(3.3)
6. CHM 1020 Concepts in Chemistry PR: High School Algebra 3(3.0)
7. CHM 2045C Chemistry Fundamentals I .............................. 4(3.1)

2. BSC 1055* Biological Principles ............................................. 3(3.0)
3. BSC 1050* Biology and Environment .................................. 3(3.0)
4. MCB 1310 Intro to Biotechnology and Genetic Engineering 3(3.0)

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

A grade of ‘C’ (1.75) or better is required in this course.

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

General Education Alternate Courses:

Substitutions for designated State General Education Core Courses (*): Courses that may be taken in substitution of State General Education Core Courses (*) are listed below.

Mathematical Foundation: MAC 1114C, MAC 1140C

Other courses that may be taken in substitution for the GEP requirements are listed below. These alternate courses do not satisfy the State General Education Core Course requirement:

GEP Requirement Acceptable Substitutions
CHM 1200 CHM 1440, CHM 1032
CHM 2040 & CHM 2041

Diversity Requirement

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

Students are exempt from this requirement if they have completed an Associate of Arts degree or the General Education Program at a Florida 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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<tr>
<td>SPC 1808</td>
<td>Fundamentals of Oral Communication</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II</td>
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### Other Courses:

<table>
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<th>Course Code</th>
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<tbody>
<tr>
<td>AMH 3422</td>
<td>Frontier Florida</td>
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<tr>
<td>AMH 3425</td>
<td>Sunbelt Florida</td>
</tr>
<tr>
<td>AMH 3562</td>
<td>Women in American History II</td>
</tr>
<tr>
<td>AML 3683</td>
<td>Contemporary American Women’s Fiction</td>
</tr>
<tr>
<td>AML 3615</td>
<td>Harlem, Haiti, and Havana</td>
</tr>
<tr>
<td>AML 3682</td>
<td>Ethnic Literature in America</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions</td>
</tr>
<tr>
<td>ARH 3670</td>
<td>20th Century Latin American Art</td>
</tr>
<tr>
<td>ARH 4871</td>
<td>Women in Art</td>
</tr>
<tr>
<td>ASH 4304</td>
<td>Women in China</td>
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<tr>
<td>CCJ 4129</td>
<td>Cultural Diversity in Criminal Justice</td>
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<tr>
<td>CCJ 4670</td>
<td>Women and Crime</td>
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<tr>
<td>CJE 4174</td>
<td>Comparative Justice Systems</td>
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<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication</td>
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<tr>
<td>COM 4461</td>
<td>Intercultural Communication</td>
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<tr>
<td>CPO 3034</td>
<td>Politics of Developing Areas</td>
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<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
</tr>
<tr>
<td>GEO 3471</td>
<td>World Political Geography</td>
</tr>
<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition II</td>
</tr>
<tr>
<td>HUM 3423</td>
<td>African Humanities</td>
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<tr>
<td>HUM 4826</td>
<td>Postcolonial Theory</td>
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<tr>
<td>HUM 4459</td>
<td>American Cultural Studies in the Humanities</td>
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<tr>
<td>JST 3401</td>
<td>Jewish People in Antiquity</td>
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<td>JST 3402</td>
<td>Wanderings: The Jewish People in Dispersion</td>
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<tr>
<td>LIN 4615</td>
<td>African-American Styles of Communication</td>
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<td>LIN 4643</td>
<td>Cross Cultural Communication</td>
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<td>LIT 3192</td>
<td>Caribbean Literature</td>
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<tr>
<td>MMC 4300</td>
<td>International Media</td>
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<tr>
<td>MUL 2720</td>
<td>Music of the World</td>
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<tr>
<td>NUR 3805</td>
<td>Dimensions of Professional Nursing Practice</td>
</tr>
<tr>
<td>PAD 4446</td>
<td>Multiculturalism in Public Administration</td>
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</table>

PLA 4020    | Law and Society                       |
PLA 4530    | World Legal Systems                   |
PLA 4472    | Employment Discrimination Law         |
POS 3627    | Cultural Pluralism and Law            |
PUP 3325    | Women and Political Behavior          |
POS 4622    | Politics and Civil Rights             |
PUP 3314    | Women and Political Behavior          |
PUP 3204    | Sustainability                        |
REL 2300    | World Religions                       |
SOW 3620    | Social Work with Diverse Populations  |
SPA 4476    | Multicultural Aspects of Communication Disorders & Differences |
SPW 4772    | Black Presence in Contemporary Latin American Literature |
SYD 3800    | Sex and Gender in Society             |
SYP 4732    | Minority Aging                        |
THE 4230    | Cultural Diversity in Theater         |
WST 3561    | Third Wave Feminisms                  |
WST 3015    | Introduction to Women’s Studies       |

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

### Exit Exams

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

### Foreign Language Proficiency Requirement

(Bachelor of Arts Degree)

Students graduating with a Bachelor of Arts degree must demonstrate proficiency in a foreign language equivalent to one year of college instruction. This requirement may be met either by successful completion of the appropriate college-level course or by examination. Languages that may be used include those taught at UCF and any others for which the University can obtain standardized proficiency tests. Students who have previously received a baccalaureate degree are exempt from this requirement. Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.
Undergraduate Degree Requirements

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. See the "Special College and/or Departmental Requirements" within each listing.

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

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

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

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

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

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

SUS Foreign Language Admission Requirement
Students who have not satisfied the Foreign Language Admission Requirement (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 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 to complete two courses (six credit hours) of mathematics at the level of college algebra or higher. Each course must be completed with a minimum grade of “C-” (1.75).

UCF courses that are required by the General Education Program also may be used to satisfy the Gordon Rule. “Gordon Rule” requirements may be satisfied by the General Education Program as follows:

Gordon Rule Requirement:

1. Six hours of mathematics at the level of college algebra or higher
2. Six hours of English composition
3. Six hours of additional college level writing

GEP Courses Which Satisfy:

1. College algebra or finite math
2. Statistics or computer science
3. Six hours of English composition
4. Specifically identified courses and college level writing

General Education courses that apply to the Gordon Rule Writing Requirement:

ENC 1101 Composition I
ENC 1102 Composition II
LIT 2110 World Literature I
LIT 2120 World Literature II
AMH 2010 U.S. History: 1492-1877
AMH 2020 U.S. History: 1877-Present
EUH 2000 Western Civilization I
EUH 2001 Western Civilization II
HUM 2210 Humanistic Tradition I
HUM 2230 Humanistic Tradition II
WOU 1202 World Civilization I
WOU 2202 World Civilization II

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

AMH 2010H Honors U.S. History: 1492 - 1877
AMH 3402 History of the South to 1865
AMH 3403 History of the South Since 1865
AMH 3441 History of the Frontier: Eastern America
AMH 3442 History of the Frontier: Western America
AMH 3541 U. S. Military History To 1900
AMH 3561 Women in American History I
AMH 3571 Black American History I
AMH 3580 North American Indians
AMH 3590 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 4644 Viewing American History in the Twentieth Century
AEM 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 Harlem, Haiti, and Havana
AML 3640 Native American Literature
AML 3643 Contemporary Native American Prose and Poetry
AML 3682 Ethnic Literature in America
AML 3682H Honors Ethnic Literature in America
AML 4101 American Novel
AML 4153 American Poetry at Mid-Century
AML 4155 Modern American Poetry
AML 4261 Literature of the South
AML 4265 Florida Writers
AML 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 Freshman Composition I
ENC 1102H Honors Freshman Composition II
ENC 3241 Writing for the Technical Professional
ENC 3241H Honors Writing for the 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 4212 Professional Editing
ENC 4215 Technical Publication and Project Management
ENC 4218 The Visual in Technical Documentation
ENC 4262 International Technical Communication
ENC 4265 Writing for the Computer Industry
ENC 4275 Theory and Practice of Tutoring Writing
ENC 4280 Technical Writing Style
Undergraduate Degree Requirements

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 at UCF during the term of graduation. Graduates may contact 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.
Undergraduate Degree Requirements

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. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded or in any term following the completion of the baccalaureate degree.

Baccalaureate Degrees
The University offers the degrees of Bachelor of Applied Science, Bachelor of Arts, Bachelor of Science, 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.)
Bachelor of Science (B.S.)
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, 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, 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.)
Majors: Advertising-Public Relations, Anthropology, Communication & Conflict, Human Communication, International and Global Studies, Journalism, Physics, Political Science, Radio - Television, Sociology
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: 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>Rosen College of Hospitality Management</td>
<td>Event Management, Hospitality Management</td>
</tr>
<tr>
<td>College of Undergraduate Studies</td>
<td>Environmental Studies, Leadership Studies, World Comparative Studies</td>
</tr>
</tbody>
</table>

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

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

### Graduate Programs

See description at the beginning of each college section. For further information on a particular program or graduate fellowships, contact the departmental office in the respective college or see the Graduate Catalog: [http://www.graduate.ucf.edu/catalog/](http://www.graduate.ucf.edu/catalog/).
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 Prestigious Awards: Morgan Bauer
Director of Research and Civic 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 life-long learning.

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

Students in TBHC are actively involved in social activities. 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 admissions information 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 Articulation 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 courses1; 2) complete the Honors Symposium2, and 3) fulfill upper-division Honors course requirements determined by college or major3.

By the end of the second week of the term in which a student plans to graduate with University Honors, the student must file a completed “Intent to Graduate with University Honors” form with TBHC. 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

| Symposium: | IDH 1920H |
| Lower-division: | 4 courses |
| Upper-division: | 3 courses; Vary by College and Major (see below) |

The current upper-division3 requirements are as follows:

- **College of Arts and Humanities, College of Education and Human Performance, College of Sciences, Rosen College of Hospitality Management, College of Nursing, College of Health and Public Affairs, Medical Laboratory Sciences, Economics (B.A.) and Interdisciplinary Studies majors**
  1. Complete one Honors Interdisciplinary Seminar2
  2. Complete one Honors upper-division course (3000-4000 level) or Interdisciplinary Seminar2
  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 Seminar2
  2. Complete two Honors upper-division Business courses
  3. Complete one Honors Legal & Ethical Environment of Business
  4. Complete one Honors Business Finance
  5. Complete one Honors Management of Organizations
  6. Complete one Honors Marketing
  7. Complete one 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.
The Burnett Honors College

■ College of Medicine (excluding Medical Laboratory Sciences majors)
1. Complete one Honors Interdisciplinary Seminar2
2. Complete two of the following Honors upper-division courses
   BHC 403H Honors Biochemistry
   BSC 3403C Honors Quantitative Biological Methods
   MCB 3020C Honors Microbiology
   MCB 4932H 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 XXXX Honors Neurobiology
   ZOO 4704C Honors Clinical Neuroanatomy
   ZOO 4747C Honors Clinical Neuroscience

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 2232H Honors Introduction to Programming with C
   COP 3502H Honors Computer Science I
   COP 3503C Honors Computer Science II
   COT 3100H Honors Introduction to Discrete Structures
   EEL 3004C Honors Electrical Networks
   EEL XXXX Honors Networks and Systems
   ENC 3214H Honors Writing for the Technical Professional
   EGN 3310H Honors Engineering Analysis-Statics
   EGN 3321H Honors Engineering Analysis-Dynamics
   EGN 3343H Honors Thermodynamics
   EGN 3356H 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

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 into 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://ooha.honors.ucf.edu

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. The successful completion of Thesis I and submission of thesis can fulfill one University Honors course requirement. EGN 4931H and 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 upper-division research program on campus in which students undertake original and innovative research as principle investiga-
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 coursework representing theory content is typically suggested. Majors such as English, History, Legal Studies, Philosophy, Sociology, Writing and Rhetoric, and Political Science meet this criterion. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that the Law School Admission Test (LSAT) be taken prior to consideration for admission. General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Prelaw Advisor.

Advisement

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.

Programs, Tracks, and Degrees

Title

<table>
<thead>
<tr>
<th>Program</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>American Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Architecture</td>
<td>BA, BFA, Minor, MFA</td>
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<tr>
<td>Art</td>
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<tr>
<td>Asian Studies</td>
<td>Minor</td>
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<tr>
<td>Cinema Studies (Film)</td>
<td>BA, Minor</td>
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<tr>
<td>Community Arts - PAVE</td>
<td>Minor</td>
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<tr>
<td>Dance</td>
<td>Minor</td>
</tr>
<tr>
<td>Digital Humanities</td>
<td>Minor</td>
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<td>Digital Media</td>
<td>BA, MA, Minor</td>
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<tr>
<td>Diplomacy</td>
<td>BA, MA, Minor, MFA</td>
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<tr>
<td>English</td>
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<tr>
<td>Film</td>
<td>BA, MA, MFA</td>
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<tr>
<td>Florida Studies</td>
<td>Minor</td>
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<tr>
<td>French</td>
<td>BA, MA, Minor</td>
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<tr>
<td>Gender Studies</td>
<td>Certificate</td>
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<tr>
<td>History</td>
<td>BA, MA, Accelerated MA, Minor</td>
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<tr>
<td>Humanities and Cultural Studies</td>
<td>BA, Minor</td>
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<tr>
<td>Italian</td>
<td>Minor</td>
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<tr>
<td>Judaic Studies</td>
<td>Certificate, Minor</td>
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<tr>
<td>Latin American Studies</td>
<td>BA, Minor</td>
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<tr>
<td>Middle Eastern Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Music</td>
<td>BA, BM, MA, Minor</td>
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<tr>
<td>Music Education</td>
<td>BME</td>
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<td>Performing Arts Administration</td>
<td>Minor</td>
</tr>
<tr>
<td>Philosophy</td>
<td>BA, Minor, Certificate</td>
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<tr>
<td>Photography</td>
<td>BS</td>
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<tr>
<td>Pre-Law in the Humanities</td>
<td>Minor</td>
</tr>
<tr>
<td>Religion and Cultural Studies</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Russian Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Spanish</td>
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</tr>
<tr>
<td>Spanish for Health Professionals</td>
<td>Certificate</td>
</tr>
<tr>
<td>Spanish for the Legal World</td>
<td>Certificate</td>
</tr>
<tr>
<td>Teaching English as a Foreign Language (TEFL)</td>
<td>Certificate</td>
</tr>
<tr>
<td>Teaching ESL</td>
<td>MA</td>
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<tr>
<td>Theatre</td>
<td>BA, BFA, MA, MFA, Minor</td>
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<tr>
<td>Translation and Interpretation</td>
<td>Certificate</td>
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<tr>
<td>Women’s and Gender Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Writing and Rhetoric</td>
<td>BA, Minor, Certificate</td>
</tr>
</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 interdisciplinary approach emphasizes the artistic and intellectual traditions of African Americans, and is dedicated to developing expertise and knowledge of the black experience in the African Diaspora.

**Degrees:** None
**Tracks:** None

**African Studies**

**American Studies: Program**

**Contact:** Nancy Stanlick  
**CAH 190; 407-823-2161**

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

**African Studies: Program**

**Contact:** Humberto Lopez  
**CNH523; 407-823-2472**

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of African 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, Political Science).

**Degrees:** None  
**Tracks:** None  
**Minors:** African Studies

**Community Arts—PAVE: Program**

**Program Director:** Byron Clercx  
**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:** Angiey, Applen, Bartkevicius, Beck, Campbell, Casnier-Paz, Cato, Dombrowski, Flammia, Glasshoff, Gleyzon, Grajeda, Hasanat, Hohenleitner, Hubbard, Jardaneh, A. Jones, D. Jones, Kamrath, Lillios, Logan, Mauer, Meehan, Moody, Morton, Murphy, Neal, Nwaka-anna, Oliver, Philpotts, Poissant, Pugh, Rodriguez-Milanes, Roney, Rushin, Schell, Stap, Stephens, Telep, Thaxton, Trouard, Utetch, 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, Technical Communication

**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 including, but not limited to education, government, journalism, foreign

**Department of History**

**Chair:** TBA  
**CNH 551B; 407-823-2225**  
Email: history@ucf.edu  
**http://history.cah.ucf.edu/**

**Faculty:** Adams, Beiler, Cassanello, Clark, Dandrow, Darty, Farless, Fernandez, Foster, French, Gannon, Gordon, Larson, Lester, Lyons, Martinez-Fernandez, Murphere, Nair, O’Shea, Ozoglu, Pineda, Sacher, 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. This discipline of history is more than 2,500 years old and remains a vital body of knowledge in the 21st century.

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

The Department participates in the programs in Women’s Studies, American Studies, 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:** TBA  
**CNH 415 E-J; 407-823-5039 or 823-5129**  
Email: judaics@ucf.edu  
**http://www.judaicstudies.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

83 Undergraduate Catalog 2016-2017
Degrees: Latin American Studies (BA)

Tracks: None

Minors: Latin American Studies

Middle Eastern Studies: Program

Program Director: Hakan Ozoğlu

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 important features. The focus of the program is on the religious, political, historical and social forces shaping the region. Course work will include classes from the curricula of participating programs (Modern Languages, History, Humanities, Judaic Studies, Philosophy, and Political Science).

Degrees: None

Tracks: None

Minors: Middle Eastern Studies

Department of Modern Languages and Literatures

Chair: Geri Smith

CNH 523; 407-823-2472

Email: flfa@ucf.edu

http://mll.cah.ucf.edu/


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 requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), 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, Faveila, Flore, Garbayo, Gleig, Janz, Jones, Kung, Mundale, Park, Ravelia, Schippert, Shrubsole, Stanlick, Strawser, Vau; 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 registering each semester. Majors should schedule appointments with their departmental advisor. For any course used to satisfy a requirement (including electives) of the Philosophy major, the Humanities major, and Religious Studies, a grade of “C” or better must have been received.

Degrees: Philosophy (BA), Religion and Cultural Studies (BA), Humanities and Cultural Studies (BA)

Tracks: None

Minors: Cognitive Sciences; Humanities and Cultural Studies; Philosophy; 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, Brenchle, Bryan, Calkins, Cavanagh, Ethridge, Gilbreath, Gonrad, Guenzel, Hall, Henken, Hepner, Holic, Ives, Jones, Kyle, Launier, Martin, Owens, Pinkert, Pompos, Richardson, Ringfield, Rozzen, Rounsaville, Scott, Stack, Stewart, Taylor, Tripp, Vie, Walls, Weaver, Wheeler, Wright, Zemiansky

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 university, 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: Writing and Rhetoric,

Certificates: Public and Professional Writing, Professional Writing (Graduate certificate)

School of Performing Arts

Director: Jeffrey Moore

Music:

PAC M203; 407-823-2869; Fax: 407-823-3378

Email: ucfmusic@ucf.edu

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


The Music unit offers a Bachelor of Music degree with options in performance, jazz studies, and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education 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, Brotherton, Brown, Chicurel, Heil, Helsinger, Horn, Ingram, Larthonox, Listengarten, Lynch, McDonald, Niess, Reed, Rusnock, Scott, Shafer, Siegfield, Snyder, St. Claire, Tan, Thomas, Tolleson, Weaver, Wood; Professor Emeritus: 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, Musical Theatre; MFA, Acting, Theatre for Young Audiences

Minors: Dance, Theatre

School of Visual Arts and Design

Director: Byron Clercx
VAB 117; 407-823-2676
Email: svadvising@ucf.edu
http://svad.cah.ucf.edu/


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: Women’s 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: Foad 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 ACG 3131 Intermediate Accounting I
5. Complete GEB 3003: Career Research and Planning
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 introductory 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 a minimum 2.0 GPA in the College to successfully complete the degree.

Admission to 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 enterprise 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. BUS 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. The Professional Development Sequence: Students must also complete the professional development sequence that began 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 considered 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.
College of Business Administration

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, Poziemski, 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: W. Milon
BA2 305-D; 407-823-3266;
Email: economics@ucf.edu

Faculty: Alpanda, Aysun, Braun, Caputo, Das, Dickie, Gibbs, Guidi, Hoffer, Milon, Paarsch, Schmidtauer, Scrogin, Soskin, Underwood

Faculty Advisors:
David Scrogin
BA2 302U, 407-823-4129, Email: David.Scrogin@ucf.edu; M. Caputo
BA2 302Q, 407-823-1405
N. Underwood
BA2 302N, 407-823-1403

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: P. Gregg
BA1 409; 407-823-3575

Faculty: Ajayi, Borde, Byrd, Chen, Choi, Curcio, Frye, Gatchev, Gregg, Harris, Harrison, Lu, Oh, Ramanial, Resch, Singh, Strum, Turnbull, 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
Chair: Stephen Goodman
BA 309; 407-823-5569

Faculty: Ambrose, Becker, Bennett, Blencoe, Boetcher, Cleaver, Connors, Crossley, Dagger, De George, Felker, Ford, Goodman, Harris, Jarley, Jones, Joseph, Kutkut, McKenny, Nichols, O’Donnell, O’Neal, Pape, Piccolo, Porter, Quinn, Rockmore, Saunders, 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

Department of Marketing
Chair: Ronald E. Michaels
BA2 307; 407-823-2108
http://www.bus.ucf.edu/marketing/

Faculty: Bhardwaj, Desiraju, Gundy, He, Jami, Joshi, Krishnamoorthy, Leon, Liu, Mao, Massiah, Michaels, Quaintance, Steiger, Stock, Wang, 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.

A minor in marketing requires 18 hours. This course of study 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 within the marketing major; application required.
- An 18-hour marketing minor is available for students with majors other than marketing.
- Twenty 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.
- Opportunities to participate in student chapters of the Society for Marketing Professional Services, the Ad Club, and the Sales Club

Degrees: Marketing (BSBA)

Tracks: Marketing Management, Professional Selling

Minor: Marketing, Professional Selling

Integrated Business Program
Director: J. Gilkeson
BA2 222; 407-823-0390

Faculty: Baz, Buhagiar, Connell, Ellis, Gilkeson, Henry, Leo, Mayfield-Garcia, Tamberelli, Valdez, Viggiano

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://o eas.ucf.edu/academiclearningcompacts.html
College of Education and Human Performance

Dean: Pamela S. Carroll
ED 308; 407-823-5529
http://education.ucf.edu

Interim Associate Dean for Graduate Affairs:
Rose Taylor, 407-823-2016

Assistant Dean for Administrative and Financial Affairs:
Allison Jefferson, 407-823-0329

Interim Executive Director for Research:
J. Thomas Owens, 407-823-0385

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/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
- Mathematics 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.

Transfer Notes:
Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida College System institution are expected to pay careful attention to the General Education and Program Prerequisites sections of their intended major. Students are responsible for all ESOL assignments for UCF ESOL-infused courses that may be transferred from other institutions.

New students will:
1. 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 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 and Partnerships
ED 110, 407-823-3723
http://education.ucf.edu

Located in the Education Complex in Suite 110, the Office of Undergraduate Affairs and Partnerships comprises Undergraduate Affairs, Undergraduate Advising, Recruitment & Retention, Clinical Experiences, and the UCF School & Community Partnership.

Mission Statement
The mission of Undergraduate Affairs and Partnerships is to promote student development and success through collaboration with College of Education and Human Performance faculty, staff, administrators and partners.

Clinical Experiences
Assistant Director: Jodie Nichols
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 co-requisites (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 advisor. 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 of the Florida Teacher Certification Examination (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.
- 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.

Recruitment and Retention Program
Coordinator: Caroline Pratt Marrett
ED 110; 407-823-4409
http://education.ucf.edu/mtrrp/

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 15 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 and Partnerships or at registration.ucf.edu/ajoint. 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 (2.75 for Early Childhood Development and Education majors), a minimum 2.5 GPA in all specialization courses, and a minimum 2.5 GPA in professional preparation courses. In addition, students in state-approved initial teacher preparation programs must pass all applicable sections of the Florida Teacher Certification Exam (FTCE) and complete a portfolio according to program guidelines.

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 offered include: Career and Technical Education; Counselor Education & School Psychology; Early Childhood Development and Education; Exceptional Student Education; and Higher Education & Policy Studies.

See individual program websites and the graduate catalog for additional details. You can start by going to the department’s website: http://education.ucf.edu/cfcs.

Department of Educational and Human Sciences
Chair: Jay R. Hoffman
ED 209-B; 407-823-2595
Coordinator II: Linda Alexander
http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences


The Department of Educational and Human Sciences (EHS) offers courses and programs to prepare students in areas of Instructional Design & Technology; Research, Measurement & Evaluation; as well as Sport & Exercise Science. The EHS Department has one baccalaureate level program: Sport and Exercise Science. Students majoring in Sport and Exercise Science B.S. can select one of the following areas: Coaching or Human Performance. The Department also offers a number of graduate programs and provides graduate courses in educational 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.
College of Education and Human Performance

School of Teaching, Learning and Leadership

Director: Michael Hynes
ED 209-D; 407-823-1768
http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership

Faculty Administrator /Academic Coordinators:
Lindsay Archambault
ED 206-F; 407-823-2881
Maria Cox
ED 206-D; 407-823-1763
Melissa Feyer
ED 209-F; 407-823-0303
Elizabeth Hoffman
ED 220J, 407-823-4833


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 designed 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). 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 K-12 areas, such as Art 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 superintendency.

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
Aerospace Engineering  
Civil Engineering  
Computer Engineering  
Computer Science  
Construction Engineering  
Electrical Engineering  
Environmental Engineering  
Industrial Engineering  
Information Technology  
Mechanical Engineering

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

College Vision
Our Vision is to be recognized as one of the premier Colleges of Engineering and Computer Science locally, nationally, and internationally. While we are aware of the need to maintain our fundamental capabilities, we will pursue new opportunities in teaching, research, and outreach by leveraging UCF’s strengths in innovative partnerships, effective interdisciplinary research, and a commitment to excellence, inclusiveness, and diversity.

College Mission Statement
Our Mission is to provide high-quality, broad-based education and experience-based learning in engineering and computer science; to create knowledge through pioneering scholarship and impactful research; to enrich our students’ development and leadership skills; and to address pressing local, state, national, and international issues in support of the global community. 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.acm.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 curriculum. 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 who desire to have the experience offered in 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 4931H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

The latter will result in an undergraduate thesis which will describe the research done by the student. The student will defend his/her thesis before a committee of faculty in the field as part of an oral examination covering the honors work. A sponsoring faculty member is required to supervise the undergraduate thesis. In order to be admitted to the Honors in the Major program, the student must:

1. Have at least 60 credit hours, including at least 12 graded, upper division credit hours at UCF.
2. A minimum UCF GPA of at least 3.20 in all upper division courses.
3. A minimum GPA of 3.50 or more in the Engineering option courses.
4. A recommendation by a sponsoring faculty member. Exceptions to the eligibility criteria may be made by the College Honors Committee in individual cases, upon recommendation by a sponsoring faculty member.

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering-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 Sadmani, 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 Environment 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

Faculty: Abdel-Aty, Abou-Senna, Al-Deek, Cattab, Chang, Chopra, Duranceau, Eluru, Filler, Kibler, Lee, Mackie, Makris, Mayo, Medeiros, Nam, Nnadi, Olufua, Radwan, Randall, Reinhart, Sadmani, Singh, Tatari, Wang, Whittaker, Yun, Zaurin

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSConE), Environmental Engineering (BSEnvE), and Construction Engineering (BSConE).

The Civil Engineering Program

The Civil Engineering Program 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 prerequisites 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 lifelong 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, manufacturability, and sustainability.

d. An ability to function on multidisciplinary teams.
The Construction Engineering Program
The Construction Engineering major is concerned primarily with the interactions of human and their environment and the planning, design, and control of systems for environmental quality management for water, land, and air environments.

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

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

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, 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 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 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 prerequisites needed for the various project courses vary.

Mission
The Construction 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 Construction Engineering.

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, 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.
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 Bio-logical 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 3334, CWR 4xxx (Hydrology) or CWR 4xxx (Hydrogeology), ENV 4531, and ENV 4561 as part of Civil Engineering requirements.

Civil Engineering Major Pursuing Construction Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 19 additional hours to earn a Bachelor of Science Construction Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: CCE 4004 (3hrs), CCE 4034 (3hrs), CCE 4402 (3hrs), CCE 4810C (3hrs), CCE 4813 (4hrs), and ACG 2071 (3hrs).

Environmental Engineering Major Pursuing Civil Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 21 additional hours to earn a Bachelor of Science Civil Engineering degree in addition to the Bachelor of Science Environmental Engineering degree. The additional courses are: CEN 3xxx (3hrs), CEN 3501C (3hrs), CEN 3700C (2hrs), TTE 3810 (3hrs), CEE 4100C (4hrs), CES 1xxx (6hrs), and a Civil Design course (3hrs). Students will have completed EGN 3334, CWR 4xxx (Hydrology) or CWR 4xxx (Hydrogeology), ENV 4531, and ENV 4561 as part of the Environmental Engineering requirements.

Department of Computer Science

Chair: Gary T. Leavens
HEC 437D; 407-823-5373
http://www.cs.ucf.edu

Faculty: Abdallah, Angell, Bagci, Bassiouni, Boloni, Chatterjee, da Vitoria Lobo, Dechev, Deo, Elva, Fontaine, Foroosh, Glinos, Gong, Gonzalez, A.Guha, R. Guha, Heinrich, Hu, Hua, Hughes, Jha, LaViola, Leavens, Liu, Llewellyn, Marinucu, Montagne, Nedorost, Orochi, Pat-tanaik, Qi, Shah, Stanley, Sukthankar, Szumlanski, Turgut, Wang, Whiting, Wisniewski, Wocjan, Wu, Zhang, Zou

The Computer Science Program

The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Computer Science. In addition to the bachelor's degree programs, the division 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 meet 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 computing, software engineering, theory of computing, quantum computing, and virtual reality.

Research facilities are organized around laboratories directed by faculty members. Facilities in the Computer Science program are generally funded through external research grants, supplemented by grant matching 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 computing 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

a. Apply knowledge of computing and mathematics appropriate to the discipline; specifically to include the application of mathematical sciences, computer science and engineering to solve and reason about computational problems.

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 and budget, by applying best practices in software development processes, methods, and tools.

d. Function effectively on teams to accomplish a common goal.

e. Demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.

f. Communicate effectively with a range of audiences; in particular, graduating majors shall demonstrate effective oral and written communication skills while disseminating technical information about computing technology and its applications.

g. Analyze the local and global impact of computing on individuals, organizations and society.

h. Recognize the need for continuing professional development and shall demonstrate the knowledge of research tools and professional resources necessary to accomplish this end.

i. Use current techniques, skills, and tools necessary for computing practices.

j. Apply mathematical foundations and computer science theory, in particular principles of algorithmic design and complexity analysis, in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.

k. Apply design and development principles in the construction of software systems of varying complexity.

l. Demonstrate their knowledge of, and ability to apply, programming fundamentals in at least three programming languages.

m. Demonstrate their knowledge and understanding of, and their ability to apply the concepts and design principles relating to: data structures, computer architecture and organization, programming languages, operating systems, and networks.

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 this highly-advanced field 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.

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

Department of Electrical and Computer Engineering
Chair: Zhihua Qu
HEC 439C; 407-823-5942

Faculty: Abdolvand, Abichar, Atia, Batarseh, Behal, Chan, DeMara, Edison, Elashhab, Fahim, Fan, Georgiopoulos, Gong, Haralambous, Jin, Jones, Kim, Lin, Liou, Malocha, Mikhail, Qu, Rahnavard, Sinaan, Suboh, Sun, Sundaram, Vosoughi, Wahid, Wang, Weeks, Wei, T. Wu, Yuan, Zhou

The Electrical and Computer Engineering Department offers baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BSCpE). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.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 (EEE 3342C). Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

Mission
The mission of the UCF Computer Engineering Program is to develop and disseminate the theory and methods for the design, analysis, 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 3657), Electronics I and II (EEE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4742C), Networks and Systems (EEE 3342C), and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/ power electronics.

Mission
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 advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send 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, Hoekstra, Karwowski, Kolthour, Lee, McCaulley, Mollaghassiemi, Proctor, Rabelo, Reilly, Thompson, 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.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost analysis in EIN 3351, to work methods and process flows in EIN 3314, and to facilities design and layout in EIN 4364. The design experience concludes with a real-world sys-tem design in the capstone course EIN 4891.

Mission
To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging 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 the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
d. Students will have an ability to communicate effectively.
e. Students will have an ability to function on multidisciplinary teams.
f. Students will have an ability to identify, formulate and solve engineering problems.
g. Students will have an understanding of professional and ethical responsibility.
h. Students will have an ability to engage in life-long learning.
i. Students will have a knowledge of contemporary issues.
j. 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, 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 length 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 course work and emphasis on hands-on laboratories and independent research experience. MSE seeks to convey an under-
standing 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 life-long 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  
ENG 307; 407-823-2416; Fax: 407-823-0208

**Faculty:** Ahmed, Bai, Bhavsar, Challapalli, Chen, Cho, Chow, Das, Gordon, Gou, Huang, Ilegbusu, Kapat, Kassab, Kauffman, Kumar, Li, Lin, Mansy, Mosleh, Oriolovskaya, Peles, Putnam, Raghavan, Song, Steiner, Steward, Stresau, Takahashi, Tian, Vasu, Xu

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 comput- ers 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 Aerospace 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 aerospace 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 aerospace 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 should 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 II (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 Aerodynamics (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: Aerothermodynamics Propulsion Systems (3hrs) and 4 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**

**Faculty/Staff:** Lt. Col. David Schiffert, Capt. Erik Mulkey, Capt. Austin Bracy, Lt. Samantha Duff, Master Sergeant Justin Tiffin, Technical Sergeant Brianna Horton, and Mrs. Ellen McGade, Office Manager

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, 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 program 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 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](http://airforce.ucf.edu) or at [http://www.afrotc.com](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 U.S. 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 management 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 concepts 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 either their 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 (AFQT).
- Pass an Air Force medical examination (DoDMERB).
- Pass the Air Force Physical Fitness Assessment (PFA) and meet Air Force BMT criteria.
- Have a cumulative GPA of 2.5 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 must also 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](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 24 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
Amy ROTC (Military Science)

Chair: LTC David Jones
Classroom II/ROTC Room 321; 407-823-2430; Fax: 407-823-5324
http://army.ucf.edu


The University of Central Florida, in cooperation with the US Army, provides students an opportunity to earn a commission as a Second Lieutenant after graduation and compete for an active duty assignment or accept a guaranteed Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. Program now offers 4, 3, and 2 year scholarship options. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degree to meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army’s Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus. Note: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: http://army.ucf.edu.

Curriculum

The Military Science curriculum is designed to develop students’ leadership potential and improve students’ planning, organizational, and managerial skills. The on-campus curriculum is divided into two phases: Basic Military Science Course and Advanced Military Science Course.

1. Basic Military Science

A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001C, MSL 1002C, MSL 2101C, MSL 2102C). Students will also participate in a Leadership Development Training Exercise (LDTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.

B. Requisites for admission to the Basic Course:
- Enrollment in a Baccalaureate or Master’s degree program
- Full-time student status

2. Advanced Military Science

A. The Advanced Military Science courses (MSL 3120C1, MSL 3202C, MSL 4301C, MSL 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 military training, military justice system, staff procedures, decision making and leadership. Students desiring to enroll in the Advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet pre-requisite requirements to contract and must obtain permission from the department chair (Professor of Military Science) through an interview process, prior to participating in the advanced course. They must also successfully complete a 32-day Cadet Leaders Course at Fort Knox, Kentucky, normally between their junior and senior years.

B. Requisites for Admission to the Advanced Course:
- Successful completion of Basic Course or placement credit.
- Must be at least 17 years of age at the time of entry but not more 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

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

3. Cadet Leaders Course (CLC)

All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Knox, Kentucky, prior to receiving a 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

UNIVERSITY OF CENTRAL FLORIDA
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, and the programs in Athletic Training and Health Informatics and Information Management. Separate application must be made to the appropriate program. 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 Outreach Program for students on probation or for those who are having academic difficulty. Questions concerning university and college academic policies should be directed through this office.

Programs and Degrees

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<tr>
<td>Communication Sciences and Disorders</td>
<td>BA, BS, MA</td>
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<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS</td>
</tr>
<tr>
<td>Health Informatics and Information Management</td>
<td>BS</td>
</tr>
<tr>
<td>Health Care Informatics</td>
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<tr>
<td>Health Sciences - Pre-Clinical Track</td>
<td>BS</td>
</tr>
<tr>
<td>Health Services Administration</td>
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<tr>
<td>Legal Studies</td>
<td>BA, BS</td>
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<tr>
<td>Nonprofit Management</td>
<td>MMN</td>
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<tr>
<td>Public Administration</td>
<td>BA, BS, MPA</td>
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<td>Public Affairs</td>
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<td>Physical Therapy</td>
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<td>Research Administration</td>
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<tr>
<td>Social Work</td>
<td>BSW, MSW</td>
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<tr>
<td>Urban and Regional Planning</td>
<td>MSURP</td>
</tr>
</tbody>
</table>

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: Camaby, Carson, Cosby, Crary, DiNapoli, Dreiling, B. Ehren, T. Ehren, Fix, Harrington, Harvey, Hoffman-Ruddy, Hostetter, Kent-Walsh, Knox, Kong, Matura, Ratusnik, Resnick, Rivers, Rosa-Lugo, Ryalls, Schwartz, Towson, Troche, Utt, Vanryckeghem, 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 speech-language pathologists assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The
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 services administration in order to enter the industry. Some students 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, technology, 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 information managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, and 3) assistance in the operation, 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).

Program in Athletic Training

This is a competitive program that requires a separate application process following acceptance into the University. The program in athletic training at the University of Central Florida 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 affiliations 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 apply 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).

Degrees: Athletic Training (BS)

Tracks: None

Minors: None
Program in Health Sciences-Pre-Clinical Track
The Bachelor of Science degree in Health Sciences Pre-Clinical Track 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, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. 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 professions. Most graduate programs such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

Degrees: Health Sciences (BS)
Tracks: Health Sciences and Pre-Clinical
Minors: Health Sciences

Department of Legal Studies
Chair: James Beckman
HPA1 343; 407-823-1670

Faculty: Bast, Beckman, Consolo, Cook, Fiesta, Froman, Koblasz, Merriam, Meltzer, Milon, Pons, Ravich, Schmidt, Scott, Slaughter, Wood

The Legal Studies Program provides students with a broad understanding of the law and the role and function of the legal system. The Legal Studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Sciences in Legal Studies. The department houses Phi Alpha Delta (the Legal Studies professional society), the UCF Mock Trial Team and the UCF Moot Court teams.

Degrees: Legal Studies (BA, BS)
Minor: Legal Studies

School of Social Work
Director: Bonnie Yegidis
HPA1 204; 407-823-2114

Faculty: Anderson, Brown, Burg, Chapple, Dillon, Dziegielewski, Gammonley, Grygelewicz, Hall, Harris-Jackson, Jacinto, Kohn, Lawrence, Leon, Mann, Mazany, McGregor, Molina, Roche, Steen, Stewart, Wharton, Withers, Yegidis

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://oas.ucf.edu/academiclearningcompacts.html
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 School of Electrical 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 2,800 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 and Molecular and Cellular Biology. 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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<tr>
<th>Program</th>
<th>Degree</th>
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<tbody>
<tr>
<td>Biomedical Sciences</td>
<td>B.S., M.S., Ph.D.,</td>
</tr>
<tr>
<td>(Pre-professional Concentration)</td>
<td>Minor</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>B.S.</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td>B.S., M.S.</td>
</tr>
<tr>
<td>Medicine</td>
<td>M.S./M.B.A.</td>
</tr>
</tbody>
</table>

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): Roseann White
HPA2 335J; 407-823-2914

Associate Director of Graduate Affairs (Burnett School of Biomedical Sciences): Saleh Naser
BMS 221; 407-823-0955

Associate Director of 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 that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences provides training for students to work in clinical or hospital laboratories. BSBS also offers M.S. programs in Biomedical Sciences, and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in Biomedical Sciences. At this time, the Burnett School has over 2,550 undergraduate students and approximately 120 graduate students. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, and the Biomolecular Science Center.

Program in Biomedical Sciences

Undergraduate Coordinator: Dorilyn 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. Two new tracks were initiated this year for the Biomedical Sciences B.S.: Molecular Microbiology and Molecular and Cellular Biology. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the directed research and independent study contracts with selected faculty. This thorough, 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.)

Tracks: None
Minors: Biomedical Sciences

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; 407-823-5787;
Academic Advisor: Ana Maria Schwindt
HPA2 337; 407-823-1259
Email: BSBSAdvising@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://oas.ucf.edu/academiclearningcompacts.html
College of Nursing

Dean: Mary Lou Sole
UTWR 3RD floor; 407-823-5496
Email:ucfnurse@ucf.edu
http://www.nursing.ucf.edu

Associate Dean Undergraduate Affairs: Maureen M. Covelli
UTWR 3rd floor; 407-823-4941

Associate Dean Graduate Affairs Susan Chase
UTWR 3rd floor; 407-823-3079


The College of Nursing is the 11th college to be established at the University. It was established as a Department of Nursing and graduated its first class in 1981. The college has achieved prominence as an innovator in nursing education, responding to a changing population with complex health care needs. The faculty of the college values access to education and embraces opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education at the baccalaureate, master’s and doctoral levels.

Today’s challenging health care environment provides unique opportunities for nursing. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research, and influence policy.

The mission of the College of Nursing is to offer high quality undergraduate and graduate academic programs designed to prepare nurses to practice in a continuously changing health care environment; to provide innovative access to education and research; to develop nurse clinicians, leaders and scholars who promote the health of diverse populations in local, national and global communities; and to touch lives lead by example and make a difference through clinical excellence, research and community service.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has 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 Coca and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The 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 emphasizes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. Contact the College of Nursing for specifics on the RN to BSN program. Courses are primarily on line with some face to face classes offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses.

The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Family Nurse Practitioner, Adult/Gerontology Primary Care Nurse Practitioner, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-46 hours of graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this program. A certificate in Nursing Education is available for students with a bachelor’s degree in nursing or a related health field.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research. It is offered in a mostly online format with two intensive on campus meetings per year.

The Doctor of Nursing Practice (DNP) prepares advanced practice nurses and nurse executives for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN, MSN, and DNP, programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access programs. Application must be made to the appropriate program in Nursing.

Programs and Degrees

Degrees: Nursing (BSN) (MSN) (PhD) (DNP)

Tracks: Basic BSN, Accelerated BSN degree, RN-BSN, ASN to BSN Concurrent, AS to BSN, RN to MSN

Minors: None

General Requirements for the Bachelor’s Degree

- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college 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://oeas.ucf.edu/academiclearningcompacts.html
CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh
CROL 206; 407-823-6800
Email: info@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, Amezcua-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, Zeldovich

Undergraduate Degree
Photonic Science and Engineering BSPSE

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 offered 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 30 faculty members, 63 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 photonics devices, 4) nonlinear optics, 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, attosecond optics, metamaterials, plasmonics, and biophotonics, have been embraced as areas of strength and future growth. These programs are supported by over $10 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 and lasers are essential to precision manufacturing and metrology, and a plethora of medical applications including clinical diagnosis, surgery, and genome mapping. Photonics plays a huge 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 in a small multidisciplinary team.

Mission

The mission of the Bachelor of Science in Photonic Science and Engineering is to educate students in the fundamental skills, knowledge, and practice so they can apply their knowledge, analyze, and design technologies in a productive and ethical manner that will lead them to positions within the Photonic Science and Engineering industry, or to prepare them for advanced course work or degrees within Optics and Photonics.

Program Educational Objectives

1. Graduates will make a meaningful impact on profession while behaving ethically and taking into account environmental and economic issues.
2. Graduates will pursue life-long learning 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 educational 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 life-long 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://www.cos.ucf.edu

Associate Dean: Teresa Dorman
CSB 201; 407-823-5167

Associate Dean: Florian Jentsch
CSB 201; 407-823-1912

Associate Dean: Arlen F. Chase
CSB 201; 407-823-2316

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 certificates, tracks, and pre-professional programs in these areas. Collectively offer undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs in these areas.

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.

Preprofessional Programs

Prelaw Program

Prelaw Advisor: Roger Handberg
PH 302; 407-823-2608

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: http://www.phladvising.ucf.edu/.

Advisement

College of Sciences, Advising Services (COSAS)

Director of Undergraduate Services: Lee Anne Kirkpatrick
CSB 250; 407-823-6131
Email: cosas@ucf.edu
http://www.cos.ucf.edu/cosas/

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: http://www.phladvising.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).

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: http://www.phladvising.ucf.edu/.
Programs and Degrees

<table>
<thead>
<tr>
<th>Title</th>
<th>Degree</th>
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<tbody>
<tr>
<td>Actuarial Science</td>
<td>Minor</td>
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<tr>
<td>Advertising-Public Relations</td>
<td>BA</td>
</tr>
<tr>
<td>Anthropology</td>
<td>MA</td>
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<tr>
<td>Anthropology of Global Health</td>
<td>Undergraduate</td>
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<tr>
<td>Anthropology in Multicultural Studies</td>
<td>Minor</td>
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<tr>
<td>Astronomy</td>
<td>Minor</td>
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<tr>
<td>Behavioral Forensics</td>
<td>Undergraduate</td>
</tr>
<tr>
<td>Biology</td>
<td>BS, MS, Minor</td>
</tr>
<tr>
<td>Biomedical Sciences</td>
<td>PhD</td>
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<tr>
<td>Chemistry</td>
<td>BA, MS, Minor</td>
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<tr>
<td>Chemistry-Biochemistry</td>
<td>BS Track</td>
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<tr>
<td>Civics Teaching</td>
<td>Certificate</td>
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<tr>
<td>Clinical Psychology</td>
<td>MA</td>
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<tr>
<td>Communication</td>
<td>MA</td>
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<tr>
<td>Communication and Conflict</td>
<td>BA</td>
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<tr>
<td>Computer Forensics</td>
<td>Graduate Certificate</td>
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<tr>
<td>Conservation Biology</td>
<td>PSM, PhD, Graduate Certificate</td>
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<tr>
<td>Corporate Communication</td>
<td>Graduate Certificate</td>
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<tr>
<td>Crime Scene Investigation</td>
<td>Undergraduate</td>
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<tr>
<td>Crime, Law, and Deviance</td>
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<tr>
<td>Diplomacy</td>
<td>Minor, Undergraduate Certificate</td>
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<tr>
<td>Diversity &amp; Social Inequality</td>
<td>Minor</td>
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<tr>
<td>European Studies</td>
<td>Minor</td>
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<tr>
<td>Forensic Science</td>
<td>BS, MS</td>
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<tr>
<td>Global Peace &amp; Security Studies</td>
<td>Minor</td>
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<tr>
<td>Health Communication</td>
<td>Undergraduate</td>
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<tr>
<td>Human Communication</td>
<td>BA, Minor</td>
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<tr>
<td>Industrial/Organizational Psychology</td>
<td>MS</td>
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<tr>
<td>Intelligence and National Security</td>
<td>Minor, Graduate Certificate</td>
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<tr>
<td>International &amp; Global Studies</td>
<td>BA, Minor</td>
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<tr>
<td>Journalism</td>
<td>BA</td>
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<tr>
<td>Journalism Studies</td>
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<tr>
<td>Magazine Journalism</td>
<td>Minor</td>
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<tr>
<td>Mass Communication</td>
<td>Minor</td>
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<tr>
<td>Mass Culture &amp; Collective Behavior</td>
<td>Minor</td>
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<tr>
<td>Mathematical Biology</td>
<td>Minor</td>
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<tr>
<td>Mathematics</td>
<td>BS, Graduate Certificate, MS, PhD, Minor</td>
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<td>Maya Studies</td>
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<td>Medical Anthropology</td>
<td>Minor</td>
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<td>Medical Sociology</td>
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<tr>
<td>Nanoscale Science and Technology</td>
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<td>Native American Studies</td>
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<tr>
<td>North American Indian Studies</td>
<td>Minor</td>
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<tr>
<td>Physics</td>
<td>BA, BS, MS, PhD, Minor</td>
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<tr>
<td>Political Science</td>
<td>BA, MA, Minor</td>
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<tr>
<td>Political Science-Pre Law</td>
<td>BA Track</td>
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<tr>
<td>Psychology</td>
<td>BS, MA, MS, PhD, Minor</td>
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<tr>
<td>Radio-Television</td>
<td>BA</td>
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<td>SAS Data Mining</td>
<td>Graduate Certificate</td>
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<tr>
<td>Security Studies</td>
<td>PhD</td>
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<tr>
<td>Social Sciences</td>
<td>BS</td>
</tr>
<tr>
<td>Sociology</td>
<td>BA, MA, PhD, Minor</td>
</tr>
<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
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<tr>
<td>Terrorism Studies</td>
<td>Minor</td>
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</tbody>
</table>

They lead to: a Bachelor of Arts in Anthropology; a minor in Anthropology with concentrations in general anthropolgy, archaeology, cultural anthropology, and physical anthropology; a minor in Anthropology in Multicultural Studies; a minor in Native American Indian Studies; a minor in Medical Anthropology, an undergraduate certificate in forensics; a graduate certificate in Maya Studies; and, a Master of Arts in Anthropology with focus areas in Cultural Competency, Archaeological Investigations in Forensics and Human Adaptations, and Maya Studies. The Undergraduate Anthropology Program prepares students for graduate training in Anthropology and provides them with the skills needed to apply the concepts, methods, and theories of Anthropology in the real world. Anthropology has four sub-disciplines, consisting of language and culture, cultural anthropology, physical anthropology, and archaeology. While undergraduate students are exposed to each of the sub-fields of Anthropology, the training for advanced work in each field differs. Thus, students should consult with their departmental advisor early in their academic careers.

Degrees: Anthropology (BA, MA)

Minors: Anthropology (concentrations in general, archaeology, cultural, or physical). Anthropology in Multicultural Studies, Medical Anthropology, North American Indian Studies

Certificates: Anthropology of Global Health (undergraduate), Crime Scene Investigation (undergraduate), Native American Studies (undergraduate), Maya Studies (graduate)

Department of Biology

Chair: Graham Worthy
BL 301: 407-823-1333
Email: biology@ucf.edu
http://biology.cos.ucf.edu/

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 Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a Professional Science Masters in Conservation Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservation Biology, and participates in an interdisciplinary Ph.D. program in Biomedical Sciences.

The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background 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 subspecialty. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology.

Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study.

Degrees: Biology (BS, MS), Conservation Biology (PSM, PhD)

Tracks: Ecology, Evolutionary, and Conservation (BS), Marine and Aquatic (BS), Plant Sciences (BS), Pre-Health Professional (BS), Zoology and Pre-Veterinarian Science (BS)

Minors: Biology

Certificate: Conservation Biology (graduate)

Department of Chemistry

Chair: Cherie Yestrebsky
PS 255: 407-823-2246
Email: chemstaff@ucf.edu
http://chemistry.cos.ucf.edu/

Associate Chair and Undergraduate Coordinator: Pedro Patino

Please see the department website for a listing of the department's faculty and staff.

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 Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS)

Tracks: Biochemistry (BS, Forensic Analysis (BS, MS), Forensic Biochemistry (BS, MS)

Minors: Chemistry
Nicholson School of Communication

Director: TBA
NSC 240; 407-823-2683
http://communication.cos.ucf.edu/

Assistant Director: Boyd Lindsley
NSC 240A; 407-823-6751
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. 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).

4. 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, 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)

Specializations: Broadcast Generalist, Electronic Journalism, Print/ Digital Journalism, Production

Minors: Journalism Studies, Human Communication, Magazine Journalism, Mass Communication

Certificate: Corporate Communication (graduate)

Department of Mathematics

Chair: Xin Li
MSB 209; 407-823-2826
Email: math@ucf.edu
http://math.cos.ucf.edu

Associate Chair and Undergraduate Coordinator: Joseph P. Brennan
MSB 202; 407-823-2710

Please see the department website for a listing of the department’s faculty and staff.

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. (See the Graduate Studies catalog for a description of the M.S. in Mathematical Science and the Ph.D. in Mathematics.) The programs in mathematics are designed to serve:

1. Students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. Students who desire to continue their education in graduate and professional schools; and
3. Students who need to use 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 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. A limited number of student assistantships are available for qualified graduate students.

Degrees: Mathematics (BS, MS, PhD)
Certificate: Mathematics (graduate)
Minors: Mathematics, Mathematical Biology

Department of Physics

Chair: TBA
PS 430A; 407-823-5785
Email: physics@ucf.edu
http://physics.cos.ucf.edu/

Associate Chair: Joshua Colwell
PS 434; 407-823-2012
Undergraduate Coordinator: Elena Flietisyan
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. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

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

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

Degrees: Physics (BA, BS, MS, PhD)
B.S. Specializations: General, Materials Physics, Optics & Lasers, Computational, and Astronomy
B.A. 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://politicalscience.cos.ucf.edu/

Assistant Chair: Barbara Kinsey
Undergraduate Coordinator: Paul Vasquez
PH 302; 407-823-2608

Please see the department website for a listing of the department’s faculty and staff.
College of Sciences

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 department advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy; International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language beyond that required for the B.A. The Department of Political Science participates in the following programs:

- Asian Studies: Contact Houman Sadr or Myunghee Kim.
- Diplomacy: Contact Roger Handberg.
- Environmental Studies: Contact Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global Peace and Security Studies: Contact Paul Vasquez.
- International and Global Studies: Contact Paul Vasquez.
- Latin American and Iberian Studies: Contact Bruce Wilson.
- Middle Eastern Studies: Contact Houman Sadr.
- Space Studies: Contact Roger Handberg.
- Terrorism Studies: Contact Paul Vasquez.
- Women’s Studies: Contact Terri S. Fine.

Degrees: Security Studies (PhD), Political Science (BA, MA), International and Global Studies (BA)

Tracks: Prelaw

Minors: Political Science, Political Science/Prelaw, Diplomacy, Global Peace and Security Studies, European Studies, International and Global Studies, Civics Teaching, Intelligence and National Security

Certificates: Diplomacy

Department of Psychology

Chair: Jeffrey Cassisi
PSY 301L; 407-823-2216
Email: psychinfo@ucf.edu
http://psychology.cos.ucf.edu/

Associate Chair: Barbara Fritzsche
Associate Chair for Research: Deborah Beidel
Assistant Chair and Director of Undergraduate Programs: Alisha Janowsky
Director of Undergraduate Advising: Karen Cox

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, communities, and lives. Finally, we prepare our graduating students with the skills necessary for success in graduate programs in psychology or related fields.

Degrees: Psychology (BS, MA, MS, PhD)

Minors: Psychology

Certificates: Behavioral Forensics

Department of Sociology

Chair: Elizabeth Mustaine
PH 403B; 407-823-3744
Email: sociology@ucf.edu
http://sociology.cos.ucf.edu/

Undergraduate Program Coordinator: Lin Huff-Corzine

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)

Tracks: Domestic Violence (MA)

Minors: Crime, Law & Deviance, Diversity & Social Inequality, Mass Culture & Collective Behavior, Medical Sociology, Sociology

Department of Statistics

Chair: Shunpu Zhang
CCII 206; 407-823-5528
Email: stats@ucf.edu
http://statistics.cos.ucf.edu/

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 Statistics, a minor in Statistics, a minor in Actuarial Sciences, and a Master of Science in Statistical Computing with a track in Data Mining. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate program 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: Statistics (BS, MS)

Tracks: Data Mining (MS)

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

UNIVERSITY OF CENTRAL FLORIDA

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The College of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Sciences and Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Office of Pre-Health and Pre-Law Advising, the EXCEL program, and Academic Advancement Programs. The Dean serves as the final arbiter for all undergraduate academic appeals.

Academic Services
Interim Associate Dean and Director: Heath Martin
MH 210; 407-823-2691
http://www.academicservices.ucf.edu

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

Bachelor of Applied Science
Vice Provost and Dean: Elizabeth A. Dooley
MH 218; 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.

Office of Experiential Learning
Interim Director: Ulla Isaac
CSEL 300; 407-823-2667
http://www.explearning.ucf.edu

This office provides and supports co-op, internship and service-learning courses for students in all colleges through partnerships with college faculty and community partners locally, nationally and internationally. Experiential Learning faculty advise students, teach co-op and internship courses, and facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships. They also develop and maintain productive relationships with employers, collect and distribute student learning outcome data from applied learning courses campus-wide, and compile engagement data across campus for institutional research and applications for national recognition. The primary goal is to ensure that students benefit academically by having access to and including experiential learning courses in their degree programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.
Academic Advancement Programs
Director: Michael Aldarondo-Jeffries
TC2 221; 407-823-1815
http://www.aap.ucf.edu

Academic Advancement Programs (AAP) prepares underrepresented 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 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 application process, graduate school funding, summer research programs, and fellowship opportunities. Current programs include the McNair Scholars Program, the Research and Mentoring Program, and the Graduate School Prep Academy.

Office of Interdisciplinary Studies
Interim Director: Claudia Schippert
CL1 302; 407-823-0144
Email: is@ucf.edu
http://is.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Luisa Cintron, Cassandra Everly, Said Jardaneh, Amy Van Epps, Peter Wallace

The Interdisciplinary Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study with professional advising and courses from across the university. The degree includes three different tracks from which to choose. There are also three minors and two certificate programs.

Degrees: Interdisciplinary Studies (BA, BS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women’s Studies
Minors: Environmental Studies, World Comparative Studies, Leadership Studies
Certificates: Leadership Studies, Cultural Tourism, Service Learning

Office of Pre-Health and Pre-Law Advising
Director: Erin Myszkowski
FC 203; 407-823-3033
http://phpladvising.ucf.edu

The Office of Pre-Health and Pre-Law Advising provides guidance and support to students interested in pursuing careers in the health and legal professions. The office provides information about the field of law and a wide variety of health-related professions such as allopathic medicine (M.D.), osteopathic medicine (D.O.), veterinary (D.V.M.) medicine, dentistry, pharmacy, optometry, podiatry, chiropractic, physician assistant, physical therapy, occupational therapy, and public health. These careers require academic study in professional school settings beyond the baccalaureate degree, and the office assists pre-health and pre-law students in any undergraduate major by offering academic advising, administrative support, and other activities related to preparing for and applying to health professional schools and law schools. The office’s primary goal is to enhance the likelihood of success for all UCF pre-professional students who seek acceptance into a professional school.

Office of Undergraduate Research
Director: Kimberly Schneider
TC2 209; 407-823-3125
http://our.ucf.edu

UCF offers numerous opportunities for undergraduates to pursue research and creative projects in various disciplines with the guidance of a faculty mentor. This intensive opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, creative, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. The office offers programming to help students get involved such as the first-year and transfer LEARN program, pre-research courses, workshops, and peer advising and also hosts programs to enhance the research experience for students including the Showcase of Undergraduate Research Excellence, UCF Undergraduate Research Journal, travel funding, summer fellowships, and student grants.

EXCEL Program
Director: Melissa Dagley
MSB 230; 407-823-6230
http://excel.ucf.edu

The goal of the EXCEL program is to increase the success of students who pursue a degree in a STEM area (science, technology, engineering, and mathematics) at UCF. To attain this goal, the EXCEL program offers enhanced educational opportunities for its recruits, such as common EXCEL mathematics courses, the EXCEL Tutoring Center for math and science, designated graduate teaching assistant mentors to closely monitor student performance in EXCEL math classes, consistent advising by a dedicated EXCEL first year advisor and the STEM college advisors, paid sophomore research experiences, and many social activities that build strong bonds among EXCEL students. The purpose of these EXCEL activities is to create a learning community which connects students, staff, and faculty, with the goal of increasing the college success of every student participant in the program.

The Quality Enhancement Plan Office
Director: Anna Maria Jones
CL1 206; 407-823-1342
http://undergrad.ucf.edu/qep/

The Quality Enhancement Plan (QEP) is a component of UCF’s accreditation with the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) and involves developing and executing a university-wide, multi-year initiative that seeks to improve student learning outcomes. The 2016 Quality Enhancement Plan topic is What’s Next: Integrative Learning for Professional and Civic Preparation. The Quality Enhancement Plan Office actively supports faculty and staff development and funds curricular and co-curricular projects that promote integrative learning.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://oeas.ucf.edu/academiclearningcompacts.html
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, 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), Entertainment Management (BS), Hospitality Management (BS), Restaurant and Food Service 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
Accounting
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
Art Education
Athletic Training
Biology
Biomedical Sciences
Biomedical Sciences - Preprofessional Concentration
Biology
Chemistry
Chemistry - Biochemistry Track
Civil Engineering
Communication & Conflict
Communication Sciences and Disorders
Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program
Computer Engineering
Computer Engineering - Accelerated Undergraduate-Graduate Program
Computer Science
Computer Science - Accelerated Undergraduate-Graduate Program
Construction Engineering
Criminal Justice
Criminal Justice Scholar’s Track
Criminal Justice - A.S. to B.S. Track
Digital Media
Early Childhood Development and Education Track 1: Education: Pre-Kindergarten - Primary
Early Childhood Development and Education Track 2: Early Childhood Development
Early Childhood Development and Education Track 3: Early Childhood Careers
Economics
Economics, Business
Electrical Engineering
Electrical Engineering - Accelerated Undergraduate-Graduate Program
Elementary Education
English - Creative Writing
English - Literature
English - Technical Communication
English Language Arts Education
Entertainment Management
Environmental Engineering
Event Management
Film - B.F.A.
Film - Cinema Studies Track
Finance
Forensic Science - Analysis Track
Forensic Science - Biochemistry Track
French
Health Informatics and Information Management
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 - Environmental Studies Track
International and Global Studies
Jazz
Latin American Studies
Legal Studies
Liberal Studies
(See Interdisciplinary Studies)
Management
Marketing
Mathematics
Mathematics Education
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
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
Nursing - R.N. to M.S.N. Option
Philosophy
Photography
Photonic Science and Engineering
Physics
Political Science
Political Science - Prelaw Track
Psychology
Public Administration
Radio - Television
Real Estate
Religion and Cultural Studies
Restaurant and Foodservice Management
Science Education - Biology
Science Education - Chemistry
Science Education - Physics
Social Science Education
Social Sciences
Social Work
Sociology
Spanish
Sport and Exercise Science
Statistics
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
World Languages Education - Spanish
Writing and Rhetoric

UNIVERSITY OF CENTRAL FLORIDA
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 58 upper level business 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.

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)
   - C: Mathematical Foundations (6 hrs)
     - Required CGS 2100C Computer Fundamentals for Business
     - Required MAC 1105C College Algebra
   - D: Social Foundations (6 hrs)
     - Select 1: 3 hrs
       - Prefer ECO 2013 Principles of Macroeconomics or
       - 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)
     - 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
       - 1 STA 2023 Statistical Methods I 3 hrs
       - or
       - 1 MAC 2311 and MAC 23121
   - 3. Core Requirements: Basic Level
     - None
   - 4. Core Requirements: Advanced Level (49 hrs)
     - Primary Core 15 hrs
       - ACG 3131 Intermediate Financial Accounting I 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 13 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 3203 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: 21 hrs
       - ACG 3141 Intermediate Financial Accounting II 3 hrs
       - ACG 3361 Cost Accounting 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
       - ACG 4803 Advanced Issues in Financial Accounting 3 hrs
       - TAX 4001 Taxation of Business Entities and Transactions 3 hrs
   - 5. Restricted Electives (6 hrs)
     - Business Electives 6 hrs
       - Choose any two upper level business courses
   - 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
- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

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.

- 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. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools.
- 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 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- 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 Microeconomics 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

Junior Year - Fall
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAR 3023 Marketing 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- GEB 3003 Career Research & Planning 1 hr

Junior Year - Spring
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- ACG 3361 Cost Accounting I 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3005 Career Search Strategy 1 hr
- Business Elective 3 hrs
- Elective 2 hrs

Senior Year - Fall
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- Business Elective 3 hrs
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.oaes.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Advertisement-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 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 1603C Fundamentals of Technical Presentations 3 hrs
B: Cultural & Historical Foundations (9 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 2014C Principles of Statistics or STA 2023C Principles of Statistics 3 hrs
May substitute a more advanced STA course.
D: 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 or AMH 2010 U.S. History: 1492-1877 3 hrs
E: Science Foundations (6 hrs)
Required STA 2023 Principles of Microeconomics or STA 2014C Principles of Statistics 3 hrs
Required SYG 2000 Introduction to Sociology 3 hrs

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select either Economics course:
ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

Select either Speech course:
SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations 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:

UNIVERSITY OF CENTRAL FLORIDA
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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
  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
Complete either speech class
SPC 1608 Fundamentals of Oral Communication or
SPC 1603 Fundamentals of Technical Presentations
Complete either statistics class:
STA 2044 Principles of Statistics or
STA 2023 Statistical Methods I

4. Core Requirements: Advanced Level (21 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

Internship: Select one 3 hrs
ADV 4941 Internship 3 hrs
PUR 4941 Internship

5. Restricted Electives (12 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
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 Ad-PR Campaigns 3 hrs
PUR 4801 Public Relations Case Studies 3 hrs
VIC 3001 Visual Communication 3 hrs
VIC 4312 Power Branding 3 hrs

You may take either internship, but not both. 3 hrs
ADV 4941 Internship or
PUR 4941 Internship

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

10. Required Minors
- None

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
  PUR 4906 Directed Independent Study

  Select 1: 3 hrs
  ADV 4970H Undergraduate Honors Thesis or
  ADV 4970H Undergraduate Honors Thesis II

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

### 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.

### Freshman Year - Fall
- ENC 1101 Composition I 13 hrs
- Foreign Language 3 hrs
- GEP Math 4 hrs
- GEP 3 hrs

### Freshman Year - Spring
- SPC 1008 Fundamentals of Oral Communication 13 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs

### Sophomore Year - Fall
- ADV 3008 Principles of Advertising 15 hrs
- GEP - Economics 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-take outside of NSC 3 hrs

### Sophomore Year - Spring
- Elective-take outside of NSC 15 hrs
- PUR 4000 Public Relations 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Junior Year - Fall
- Apply to program by Oct 1.
- MMC 3420 Mass Media Research Methods 15 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 3 hrs

### Junior Year - Spring
- If admitted, take the following:
- PUR 3100 Writing for Public Relations 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 3 hrs

### Junior Year - Summer
- Internship 9 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 3 hrs

### Senior Year - Fall
- ADV 4101 Advertising Copywriting 13 hrs
- Restricted Elective 3 hrs
- Elective-take outside of NSC 4 hrs
- Elective-take outside of NSC 3 hrs

### Senior Year - Spring
- MMC 4411 Ad-PR Campaigns 12 hrs
- Restricted Elective-Iternship 3 hrs
- Free Elective-take outside of NSC 3 hrs
- Free Elective-take outside of NSC 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: $15 per term
- Full-Time Student: $30 per term

### Aerospace Engineering (B.S.A.E.)

#### College of Engineering and Computer Science

#### Engineering 1, Room: 381

#### http://www.mae.ucf.edu

#### Email: mmaeugrad@ucf.edu

Dr. Hyoung Jin “Joe” Cho, hjcho@ucf.edu, 407-823-8014

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.

#### 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 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 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)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
UCF Degree Programs

Select 1:  
Prefer  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 classes 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  3 hrs  
Select one class from Social Foundations  3 hrs

E: Science Foundations  (7 hrs)  
Suggested  PHY 2048C  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

- 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  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)  
- 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 1070C  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  3 hrs  
- EAS 3101  Fundamentals of Aerodynamics  3 hrs  
- EAS 3800C  Aerospace Engineering Measurements  3 hrs  
- EAS 3810C  Design of Aerospace Experiments  3 hrs  
- EAS 4105  Flight Mechanics  3 hrs  
- EAS 4134  High-Speed Aerodynamics  3 hrs  
- EAS 4300  Aerothermodynamics of Propulsion  3 hrs  
- EML 3034C  Modeling Methods in Mechanical and Aerospace Engineering  3 hrs  
- EGM 3601  Solid Mechanics  3 hrs  
- EGM 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 Requirements  
- Admissions
  - None
- Electives
  - None
- Additional Requirements
  - None
- 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.
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 12 hrs
- 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: 3 hrs
- CHS 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHM 2040 Chemistry Fundamentals IA or 3 hrs
- CHM 2041 Chemistry Fundamentals IB or 3 hrs

Freshman Year - Spring 15 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs

Select 1: 3 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Summer 10 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 13 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- PHY 2049C 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 12 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EGN 3601 Solid Mechanics 3 hrs

Sophomore Year - Summer 9 hrs
- GEP 3 hrs
- GEP 3 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Junior Year - Fall 15 hrs
- 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 I 0 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- GEP 3 hrs
- EAS 4200 Analysis & Design of Aerospace Structures 3 hrs

Junior Year - Spring 15 hrs
- EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs
- 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.oceas.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,
Howard Philips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Dr. John Schultz, john.schultz@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 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)
Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs

Statistics - Computers
Suggested STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
Suggested ANT 2000 General Anthropology 3 hrs
Select from GEP D.1 list 3 hrs

E: Science Foundations (6 hrs)
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 (6 hrs)
Core-Required, also satisfy the CPP
ANT 2511 The Human Species GEP/CPP

Take all of the following: 6 hrs
ANT 2140 Archaeology of the Rise of Human Culture and Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs

4. Core Requirements: Advanced Level (12 hrs)
Select 1:
ANT 3010 Language and Culture 3 hrs
ANT 4034 History of Anthropological Thought 3 hrs

Select 1:
ANT 4516 Human Biological Diversity or ANT 4586C Human Origins 3 hrs

5. Restricted Electives (24 hrs)
Area Study 3 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 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 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
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 is 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 15 hrs
- 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 15 hrs
- 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 15 hrs
- 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 15 hrs
- 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 15 hrs
- Select 1:
  - ANT 4115C Archaeological Method and Theory or 3 hrs
  - ANT 3145 Archaeology of Complex Societies 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 4 hrs
  - Restricted Elective 2 hrs
  - Elective / Minor 3 hrs

Junior Year - Spring 15 hrs
- Select 1:
  - 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 15 hrs
- 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 15 hrs
- Free Elective 3 hrs
- Area Study Elective 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
UCF Degree Programs

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

Architecture (B.Des.)
College of Arts and Humanities
School of Visual Arts and Design
(This program is offered at UCF at the Valencia West Campus)

http://architecture.ucf.edu/
Email: architecture@ucf.edu
Phone: 407-582-5500

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 requirements.

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 (34 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 3 hrs
ARC 1301 Architectural Design I 4 hrs
ARC 1302 Architectural Design II 4 hrs
ARC 1701 History of Architecture I or equivalent 3 hrs
ARC 2180 Introduction to Digital Architecture 3 hrs
ARC 2303 Architectural Design III 5 hrs
ARC 2304 Architectural Design IV 5 hrs
ARC 2461 Materials and Methods of Construction 4 hrs
ARC 2702 History of Architecture II or equivalent 3 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
- None

Related Programs
- None

Certificates
- Public and Professional Writing

Related Minors
- Art - Studio
- Art History
- Cognitive Sciences
UF Degree Programs

- Digital Media
- Film - Cinema Studies
- Humanities
- Philosophy
- English - Technical Communication
- Writing and Rhetoric

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 meet 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
- Total Hours: 16

Freshman Year - Spring
- ARC 1302 Architectural Design 02 (Valencia College) 4 hrs
- ARC 1201 Theory of Architecture (Valencia College) 3 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- GEP 3 hrs
- Total Hours: 16

Freshman Year - Summer
- GEP 3 hrs
- Total Hours: 3

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 1053C Introductory Physics 01 4 hrs
- Total Hours: 19

Sophomore Year - Spring
- ARC 2180 Introduction to Digital Architecture (Valencia College) 3 hrs
- ARC 2304 Architectural Design 04 (Valencia College) 5 hrs
- GEP 3 hrs
- GEP 3 hrs
- Total Hours: 14

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
- Total Hours: 12

Junior Year - Spring
- ARC 3321L Architectural Design 6 6 hrs
- ARC 3610 Environmental Technology 1 3 hrs
- ARC 3743 Architectural History 3 3 hrs
- Total Hours: 12

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
- Total Hours: 12

Senior Year - Spring
- ARC 4323L Architectural Design 8 6 hrs
- ARC 3463 Materials and Methods of Construction 2 3 hrs
- Total Hours: 9

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
- 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.

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 meet 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 1201 Theory of Architecture (Valencia College) 3 hrs
- ARC 1302 Architectural Design 02 (Valencia College) 4 hrs
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- GEP 3 hrs
- Total Hours: 16

Sophomore Year - Fall
- ARC 2304 Architectural Design 04 (Valencia College) 5 hrs
- ARC 2461 Material and Methods of Construction (Valencia College) 4 hrs
- MAC 1114C College Trigonometry 3 hrs
- PHY 1053C Introductory Physics 01 4 hrs
- Total Hours: 19

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
- Total Hours: 12

Junior Year - Spring
- ARC 3321L Architectural Design 6 6 hrs
- ARC 3610 Environmental Technology 1 3 hrs
- ARC 3743 Architectural History 3 3 hrs
- Total Hours: 12

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
- Total Hours: 12

Senior Year - Spring
- ARC 4323L Architectural Design 8 6 hrs
- ARC 3463 Materials and Methods of Construction 2 3 hrs
- Total Hours: 9

Admission Requirements
- Character Animation: students must satisfactorily complete the mandatory DIG3951 - Character Animation Application course 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 upper division ART courses or 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.
UCF Degree Programs

- 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.
- 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 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 (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)
   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 level courses in the Character Animation specialization. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted)

Complete 21 hours of credits from the following areas: 21 hrs

- Restricted Electives (39 hrs)
  - Specializations
    - Graphic Design
      - Graphic Design Basic Concentration - 18 hours
        GRA 3950 Graphic Design Portfolio Application 0 hrs
        GRA 3102C Intermediate Graphic Design I 3 hrs
        GRA 3112C Intermediate Graphic Design II 3 hrs
        GRA 3803C Intermediate Computer Graphic Design 3 hrs
        GRA 4196C Advanced Graphic Design 3 hrs
        GRA 4197C Special Problems in Graphic Design 3 hrs
        GRA 3202C Type & Design 3 hrs
    - Graphic Design - Restricted Electives - 21 hours
      Complete 21 hours of credits from the following areas: 21 hrs
      0 hours must be from 3000 or 4000 level art history courses, 12 hours from 3000 or 4000 ART, ARH, GRA,
      DIG courses or any 3000 or 4000 level course approved by the School.

Character Animation (39 hrs)
- All courses in the Character Animation specialization are offered at the UCF Center for Emerging Media in Downtown Orlando
- Character Animation Core - 15 hours
  DIG 3951 Character Animation Portfolio Review 0 hrs
  ART 3643C Digital Effects & Compositing 3 hrs
  DIG 4325C Look Modeling Workshop 3 hrs
  DIG 4326C Geometrical Modeling Workshop 3 hrs
  FIL 3720C Introduction to Animation 3 hrs
  FIL 3734C Intermediate Animation 3 hrs
- Character Animation Basic Concentration - 24 hours
  DIG 3355C Artificial Environments and Effects 3 hrs
  DIG 3433C Visual Storytelling and Visual Development 3 hrs
  DIG 4206C New Imagery in Motion Workshop 3 hrs
  DIG 4359C Artificial Environments and Effects 3 hrs
  Workshop
  DIG 4394C Motion Graphics: Advanced Compositing 3 hrs
  DIG 4434C Narrative Techniques in the Moving Image 3 hrs
  DIG 4451C Visual Storytelling and Visual Development 3 hrs
- DIG 4486C Visual Language of Moving Image II 3 hrs

Experimental Animation (39 hrs)
- Experimental Animation Core - 18 hours
  ART 3950 Portfolio Review 0 hrs
  ART 3643C Digital Effects & Compositing 3 hrs
  DIG 4325C Look Modeling Workshop 3 hrs
  DIG 4326C Geometrical Modeling Workshop 3 hrs
  FIL 3720C Introduction to Animation 3 hrs
  FIL 3734C Intermediate Animation 3 hrs
  1 ART 4935 BFA Exhibit/Seminar 3 hrs
  1 only offered in Spring semester.
- Experimental Animation Restricted Electives - 6 hours
  FIL 4750C Experimental Animation 3 hrs
  FIL 4750C Experimental Animation Workshop 3 hrs
- Experimental Animation Restricted Electives - 15 hours
  Complete 15 hours of credits from the following areas: 15 hrs
  15 hours required outside the specialization area from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level courses approved by the School

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.
- Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Unrestricted electives - credit hours varies with specialization. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted)
- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve at least a “B” (3.0) GPA in all 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
- 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
- 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 all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Character Animation

**Freshman Year - Fall**
- ARH 2050 History of Western Art I 3 hrs
- ART 2200C 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**
- 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**
- GEP Communication Foundation 3 hrs
- GEP Cultural & Historical Foundation 3 hrs
- GEP Science Foundation 3 hrs

**Sophomore Year - Fall**
- 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 - Spring**
- DIG 3024 Digital Culture & Narrative 3 hrs
- DIG 3450 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**
- GEP Social Foundation 3 hrs
- GEP Social Foundation 3 hrs

**Junior Year - Fall**
- 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 3951 Character Animation Portfolio Review 0 hrs
- FIL 3720C Introduction to Animation 3 hrs

**Junior Year - Spring**
- DIG 4325C Look Modeling Workshop 3 hrs
- DIG 4326C Artificial Environments and Effects Workshop 3 hrs
- DIG 4451C Visual Storytelling and Visual Development Workshop 3 hrs
- FIL 3734C Intermediate Animation 3 hrs

**Senior Year - Fall**
- Foreign Language Elementary Level I 4 hrs
- Foreign Language Elementary Level II 4 hrs

**Senior Year - Spring**
- DIG 4206C New Imagery in Motion Workshop 3 hrs
- DIG 4486C Visual Language of Moving Image II 3 hrs
- Any 2000-4000 Level Art Studio or Media Course 3 hrs
- Elective 3 hrs

**Experimental Animation**

**Freshman Year - Fall**
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Social Foundation 3 hrs
- GEP Social Foundation 3 hrs

**Freshman Year - Spring**
- 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

**Freshman Year - Summer**
- GEP Communication Foundation 3 hrs
- GEP Cultural & Historical Foundation 3 hrs

**Sophomore Year - Fall**
- ART 2300C Design Fundamentals-Three Dimensional 3 hrs
- ART 2301C Drawing Fundamentals I 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**
- 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**
- GEP Science Foundation 3 hrs
- GEP Science Foundation 3 hrs

**Junior Year - Fall**
- ART 3643C Digital Effects & Compositing 3 hrs
- ART 3950 Portfolio Review 0 hrs
- DIG 4325C Look modeling Workshop 3 hrs
- DIG 4326C Artificial Environments and Effects Workshop 3 hrs
- FIL 3720C Introduction to Animation 3 hrs

**Junior Year - Spring**
- 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

**Senior Year - Fall**
- Foreign Language Elementary Level I 4 hrs

**Senior Year - Fall**
- FIL 4735C Experimental Animation 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Foreign Language Elementary Level II 4 hrs
UCF Degree Programs

Senior Year - Spring 12 hrs
ART 4935 BFA Exhibit/Seminar 3 hrs
ART 2050 History of Western Art I 3 hrs
ART 4997 Senior Seminar 6 hrs

Freshman Year - Fall 15 hrs
ART 2050 History of Western Art I 3 hrs
ART 2306 Drawing Fundamentals II 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
GRA 2101C Introduction to Graphic Design 3 hrs
GRA 2000B Computer Art 3 hrs

Sophomore Year - Fall 15 hrs
ART 2201C Design Fundamentals - Two Dimensional 3 hrs
ART 2306 Drawing Fundamentals II 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
GRA 2101C Introduction to Graphic Design 3 hrs
GRA 2000B Computer Art 3 hrs

Junior Year - Fall 12 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs
GRA 3112C Intermediate Graphic Design II 3 hrs
GRA 3035 Intermediate Computer Graphic Design 3 hrs
GRA 3202C Type & Design 3 hrs

Senior Year - Fall 15 hrs
DIG 3525 Digital Media Production I 3 hrs
GRA 4197C Advanced Graphic Design 3 hrs
GRA 4297C Special Problems in Graphic Design 3 hrs
GRA 4297C Special Problems in Graphic Design 3 hrs

Senior Year - Spring 12 hrs
DIG 3525 Digital Media Production I 3 hrs
GRA 4197C Advanced Graphic Design 3 hrs
GRA 4297C Special Problems in Graphic Design 3 hrs
GRA 4297C Special Problems in Graphic Design 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

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 (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Required ARH 2050 History of Western Art I 3 hrs
- Required ARH 2051 History of Western Art II 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

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) (6 hrs)

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

3. Core Requirements: Basic Level (3 hrs)

- ARH 2050 History of Western Art I 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 4540 Art of India 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.
- Computer Competency met by one of the following:
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs
  - ARH 3820 Visual Arts Administration Vitas 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.

### Total Semester Hours Required

- 120
- Honors In Major
- None
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: $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: svadvising@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 filling 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 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)
- 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 (6 hrs)
- Prefer STA 1063C Basic Statistics Using Microsoft Excel (3 hrs)
- Select 1:
  - STA 1063C Basic Statistics Using Microsoft Excel (3 hrs)
  - MGF 1106 Finite Mathematics or 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 (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)
- 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)
- ART 2823 Art as Interface (3 hrs)

4. Core Requirements: Advanced Level (6 hrs)
- ART 3950 Portfolio Review (0 hrs)

5. Restricted Electives (42 hrs)
a. Specialization: (18 hrs)
- Select six upper division courses from one area:
  - Book Arts
    - ART 3170C Book Binding or ART 3171C Materials for Artist Books or ART 3175C Advanced Issues in Contemporary Book Arts or ART 3176C The Illuminated Book or ART 3737C Narrative Sculpture or ART 4172C Book Repair and Restoration or ART 4173C The Artist Book or ART 4174C The Printed Book or ART 4177C Commercial Book Design and Publishing or ART 4644C Books Without Books
  - Ceramics/Sculpture Combination
    - ART 3761C Intermediate Ceramics or ART 3764C Ceramic Handbuilding I or 1 ART 4783C Advanced Ceramics or ART 4786C Ceramic Raw Material or ART 3709C Intermediate Sculpture or 1 ART 4710C Advanced Sculpture
  - Drawing
    - ART 3332C Intermediate Drawing or 1 ART 4320C Advanced Drawing
    - ART 3433C Screenprinting or 1 ART 4402C Advanced Printmaking
  - Drawing/Printmaking Combination
    - ART 3332C Intermediate Drawing or ART 3433C Screenprinting or 1 ART 4320C Advanced Drawing or 1 ART 4402C Advanced Printmaking
  - Drawing/Illustration Combination
    - ART 3332C Intermediate Drawing or 1 ART 4320C Advanced Drawing or 1 ART 4402C Advanced Printmaking or GRA 3747C Intermediate Illustration I or 1 GRA 4154C Advanced Illustration
  - Painting
    - ART 3504C Intermediate Painting or 1 ART 4505C Advanced Painting
### 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.

### Electives in Art:
- Select five Art courses; two of which may be lower division. Select from at least three of the following areas, excluding the area of specialization: Book Arts, Ceramics, Drawing, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.

### Additional Electives
- Select three upper division Art History courses or
- Select one upper division course in Art History or Humanities and a maximum of six hours of Independent Study, Practicum, and Internship are permitted.

### Plan of Study

#### Freshman Year - Fall
- ARH 2051 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
- 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
- ART 2203C Design Fundamentals-Three 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
- 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
- ART 3950 Portfolio Review 0 hrs
- Foreign Language Elementary Level II 4 hrs
- Specialization Restricted Elective 3 hrs
- Any 2000-400 Level Art Studio or Media Course 3 hrs

### Junior Year - Spring
- 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
- 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
- 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.oead.ucf.edu/alc/academic_learning_compacts.htm](http://www.oead.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

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**Undergraduate Catalog 2016-2017**
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 ART 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 (6 hrs)
   Math: 6 hrs
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or
   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 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 2XXX-4XXX studio or media course. 3 hrs

3. Core Requirements: Basic Level (6 hrs)
   ART 2500 History of Non-Western Art 3 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 4763C Advanced Ceramics 3 hrs
1 May be repeated for credit.

Drawing and Printmaking
- ART 3353C 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
- ART 4634C Web 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

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
### UCF Degree Programs

#### Sophomore Year - Spring 15 hrs
- Select 8 Electives
- None

#### Sophomore Year - Fall 15 hrs
- 11. Departmental Exit Requirements
  - Achieve at least a GPA (2.0) overall in courses within the major.
  - Computer Competency met by:
    - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
    - GRA 2101C Introduction to Computer Art 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.

#### Total Semester Hours Required 120

### Honors In Major
- None

### 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

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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: $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.
UCF Degree Programs

- Co-op 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) (36 hrs)

A: Communication Foundations (9 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

B: Cultural & Historical Foundations (9 hrs)

Take all of the following:

9 hrs

Select 1: 3 hrs

1 DIG 3563 Information Management and Entrepreneurship or
DIG 3796C Internet Interaction or
DIG 4630C Media Business Practices or
DIG 5565C Digital Asset Management Systems or
FIL 4040 Animation Film History for Non Film Majors 3 hrs

These courses may also be applied toward an 18 credit Minor in Technological Entrepreneurship

Business

Select 1: 3 hrs

MAR 3023 Marketing or
MAN 3025 Management of Organizations or
BUL 3130 Legal and Ethical Environment of Business 3 hrs

Arts Management

Select one:

ARE 3944 Community Arts Practicum 3 hrs
FIL 5612 Film and Internet Business 3 hrs
ARE 4260 Methods in Art Administration 3 hrs
ARH 3820 Visual Arts Administration Vitas 3 hrs
FIL 4647 Film Production Management 3 hrs
PGY 3480 Museum and Gallery Practices 3 hrs

6. Capstone Requirements

DIG 4855 Converging Media Capstone 3 hrs

7. Foreign Language Requirements

Admissions

- Met by graduation requirement
- 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.

Graduation

- A 2.0 UCF GPA
- 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

- Art - History Track
- Art - Studio Art Track
- Art Education

Certificates

None

Related Minors

- Community Arts - PAVE
- Digital Media
- Technological Entrepreneurship

Advising Notes

http://svad.cah.ucf.edu/students

svadadvising@ucf.edu

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Art Education (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/arted
Dr. Debra McGann, ED 122C, debra.mcgann@ucf.edu
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu

The Art Education B.S. 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 all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of “C-” (1.75) or better.
■ Meet the Gordon Rule Requirement.
■ Meet the Foreign Language Admission Requirement.
■ 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. (Other 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 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
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
Prefer ARH 2050 History of Western Art I 3 hrs
1 Required ARH 2050 History of Western Art 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
1 A grade of “C-” (1.75) or better is required

C: Mathematical Foundations (6 hrs)
Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1: 3 hrs
Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
Prefer STA 204C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
Prefer PSY 2012 General Psychology 3 hrs

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 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 - 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 2201C Design Fundamentals-Two 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
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.oceans.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $31.50 per term
■ Full-Time Student: $63 per term
UCF Degree Programs

Select 1:  3 hrs
Prefer ANT 2511 The Human Species  3 hrs
Prefer BSC 1005 Biological Principles  3 hrs

2. Common Program Prerequisites (CPP) (24 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (12 hrs)
- Lifelong Learning Track requires 12 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

Education Core Requirements
- 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
- RED 4043 Content Reading in Kindergarten through Grade 12  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

4. Core Requirements: Advanced Level (42 hrs)
- Life Learning Track requires 54 semester hours
- Lifelong Learning Track requires 42 semester hours

Lifelong Learning Track Specialization 24 hrs
- Select preferred specialization course 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.

INTERNSHIP

Internship I 3 hrs
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, 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/
- EDE 4941 Internship  9 hrs
- ESE 4033C Critical Issues and Trends in Secondary Education  3 hrs

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EXP 3604  Cognitive Psychology  4 hrs
EXP 3250  Principles of Human Factors Psychology  3 hrs
EAB 3703  Principles of Behavior Modification  4 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
Education Track requires 126 total semester hours
Lifelong Learning Track requires 120 semester hours

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.
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
Education Track requires 126 total semester hours
Lifelong Learning Track requires 120 semester hours
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 Web site at [http://education.ucf.edu/arted/](http://education.ucf.edu/arted/) for the advising policy.

Freshman Year - Fall 15 hrs
AMH 2010  U.S. History: 1492-1877  3 hrs
ENC 1101  Composition I  3 hrs
MGF 1106  Finite Mathematics  3 hrs
ARM 2050  History of Western Art I  3 hrs
PSY 2012  General Psychology  3 hrs

Freshman Year - Spring 12 hrs
AMH 2020  U.S. History: 1877-Present  3 hrs
ARM 2051  History of Western Art II  3 hrs
ENC 1102  Composition II  3 hrs
ART 2201C  Design Fundamentals Two Dimensional  3 hrs

Freshman Year - Summer 6 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
PSC 1121  Physical Science  3 hrs

Sophomore Year - Fall 12 hrs
ART 2203C  Design Fundamentals Three Dimensional  3 hrs
BSC 1105  Biological Principles  3 hrs
EDF 2005  Introduction to the Teaching Profession  3 hrs

Sophomore Year - Spring 15 hrs
GRA 2101C  Introduction to Computer Art  3 hrs
ART 2300C  Drawing Fundamentals I  3 hrs
EDF 2085  Introduction to Diversity for Educators  3 hrs
EME 2400  Introduction to Technology for Educators  3 hrs

Junior Year - Fall 15 hrs
PGY 2401C  Beginning Photography  3 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
ART 2500C  Beginning Photography  3 hrs

Junior Year - Spring 15 hrs
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs

Education Track
ARE 4356  Teaching Art Appreciation & Criticism in the Classroom  3 hrs

Lifelong Learning Track
Choose a Lifelong Learning Specialization course  3 hrs

Education Track
ARE 4352  Teaching Art in the Secondary School and Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)  3 hrs

University of Central Florida
# UCF Degree Programs

## Lifelong Learning Track

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MHS 2330</td>
<td>Career Planning and Secondary Settings and</td>
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<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in</td>
<td>3 hrs</td>
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<tr>
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<td>Specialization course</td>
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**Equipment Fees**

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Lifelong Learning Track Select 1:**

- **EDF 2130** Child and Adolescent Development for Educators or EDP 2270 Adult Development & Learning 3 hrs

**Lifelong Learning Track Select 2:**

- Choose a Lifelong Learning Specialization course 3 hrs

**Junior Year - Summer**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ART 2754C</td>
<td>Beginning Ceramics</td>
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<td>Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/</td>
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<td>Advisor approval)</td>
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**Education Track**

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<tr>
<td>ARE 4351</td>
<td>Teaching Art in the Elementary School and</td>
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<td>ARE 3940</td>
<td>Internship and</td>
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<td>Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/</td>
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<td>Advisor approval)</td>
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**Senior Year - Fall**

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<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and</td>
<td>12 hrs</td>
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<td>Safety Issues in Schools</td>
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**Education Track**

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<tr>
<td>ARE 3940</td>
<td>Internship and</td>
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<tr>
<td>ESE 4033C</td>
<td>Critical Issues and Trends in Secondary Education</td>
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**Lifelong Learning Track**

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<td>Choose Lifelong Learning Specialization courses</td>
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**Senior Year - Spring**

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<tr>
<td>ARE 4941</td>
<td>Internship and</td>
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<tr>
<td>ESE 4033C</td>
<td>Critical Issues and Trends in Secondary Education</td>
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**Lifelong Learning Track**

<table>
<thead>
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<th>Course Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td>Choose Lifelong Learning Specialization courses</td>
<td>6 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.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

**Athletic Training (B.S.)**

**College of Health and Public Affairs**

**Department of Health Professions,**

Health and Public Affairs II, Room: 118/119

http://www.cohpa.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.
- 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 standards(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.

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**UNIVERSITY OF CENTRAL FLORIDA**

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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 in 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 (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; 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)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
      Required STA 2023 Statistical Methods I 3 hrs
      Suggested MAC 1140 College Trigonometry 3 hrs
   D: Social Foundations (6 hrs)
      Required PSY 2012 General Psychology 3 hrs

E: Science Foundations (8 hrs)
   Required BSC 2010C Biology I 4 hrs

Select 1:
   Suggested CHM 1032 General Chemistry or 3 hrs
   Suggested CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (15 hrs)
   The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of a “C” (2.0) or better.

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   BSC 2010C Biology I GEP
   ZOO 3733C Human Anatomy 4 hrs
   PCB 3703C Human Physiology 4 hrs
   HUN 2201 Fundamentals of Human Nutrition 3 hrs
   STA 2023 Statistical Methods I GEP
   PSY 2012 General Psychology GEP

Select 1:
   One of the following courses must be taken as a prerequisite or co-requisite to core requirements:
   PHY 2053C College Physics I or 4 hrs
   PHY 2048C General Physics Using Calculus I 4 hrs

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (62 hrs)

   Professional Phase
   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.
   ATR 4014C Principles of Athletic Training Lab 3 hrs
   ATR 3102 Principles of Athletic Training 3 hrs
   ATR 3012C Clinical Skills for Athletic Trainers I 3 hrs
   ATR 3812L Practicum in Athletic Training I 4 hrs
   ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
   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 Trainers II 3 hrs
   ATR 4313C Therapeutic Exercise in Athletic Training 4 hrs
   ATR 4302C Therapeutic Modalities in Athletic Training 4 hrs
   ATR 4512C 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
   PET 4806 Applied Fitness in Sport 3 hrs
   ATR 4842L Practicum in Athletic Training IV 4 hrs
   ATR 4913 Case Studies in Sports Medicine 3 hrs
   ATR 4933 Athletic Training Seminar 1 hr
   ATR 4112L Acute Care in Athletic Training 1 hr

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.
   ATR 4940 Athletic Training Elective Internship 0 hrs
UCF Degree Programs

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

Advising Notes
- Students should consult a departmental advisor regarding chemistry selection. CHM 2045 is the preferred chemistry course for students who intend to apply to graduate professional healthcare programs (e.g., physical therapy, physician assistant, medical).

Transfer Notes
- When possible, students should complete an Associate of Arts (AA) degree and the Common Program Prerequisites (CPP) before transferring within the Florida College System or State University System.
- Students who transfer with an Associate of Arts (AA) degree and will be pursuing a Bachelor of Science degree must meet the University foreign language admission requirements for graduation.

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 PET X322C and PET X323C; or by taking both APK X100C and APK X105C.

- Biology I with Lab (BSC X010 and BSC X010L; or BSC X010C)
- Physics I with Lab (PHY X053; or PHYX048 and X048L; or PHY X048C)
- For Athletic Training Program purposes, Fundamentals of Human Nutrition (HUN 2201) will be seen as equivalent to HUN X201, HUN X941, HUN X002, and HSCX577.
- For Athletic Training Program purposes, Statistical Methods I (STA 2023) will be seen as equivalent to STA X023, STA X122, and STA X201.
- General Psychology (PSY X012)

Plan of Study

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<th>Freshman Year - Fall</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
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<tr>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 2000 Introduction to the Allied Health Professions</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MAC 1105C College Algebra</td>
<td>3 hrs</td>
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<tr>
<td>1 CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1 Other CHM courses might be acceptable as pre-requisites to PCB 3703

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 1114C College Trigonometry</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
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</thead>
<tbody>
<tr>
<td>PHY 2053C College Physics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3733C Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Historical</td>
<td>3 hrs</td>
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<table>
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<tr>
<th>Sophomore Year - Spring</th>
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<tbody>
<tr>
<td>HUN 2201 Fundamentals of Human Nutrition</td>
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</tr>
<tr>
<td>PCB 3703C Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Cultural</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Historical</td>
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<table>
<thead>
<tr>
<th>Sophomore Year - Summer</th>
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<tbody>
<tr>
<td>ATR 4014C Principles of Athletic Training Lab</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3102 Principles of Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language (If not satisfied in high school)</td>
<td>4 hrs</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>10 hrs</th>
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<tbody>
<tr>
<td>ATR 3812L Practicum in Athletic Training I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 3012C Clinical Skills for Athletes I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3212C Recognition and Evaluation of Athletic Injuries I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective (if needed to maintain full-time status)</td>
<td>3 hrs</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4315C Biomechanics of Sport</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3822L Practicum in Athletic Training II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4213C Recognition and Evaluation of Athletic Injuries II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3013C Clinical Skills for Athletic Training II</td>
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<table>
<thead>
<tr>
<th>Junior Year - Summer</th>
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<tbody>
<tr>
<td>ATR 4313C Therapeutic Exercise in Athletic Training</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4302C Therapeutic Modalities in Athletic Training</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4940 Athletic Training Elective Internship</td>
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<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>13 hrs</th>
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</thead>
<tbody>
<tr>
<td>ATR 4512C Organization and Administration of Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3510C Physiologic &amp; Metabolic Basis of Human Movement &amp; Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4315C Advanced Rehabilitation in Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4832L Practicum in Athletic Training III</td>
<td>4 hrs</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>12 hrs</th>
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</thead>
<tbody>
<tr>
<td>ATR 4933 Athletic Training Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>PET 4606 Applied Fitness in Sport</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4842L Practicum in Athletic Training IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4103 Case Studies in Sports Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4112L Acute Care in Athletic Training</td>
<td>1 hr</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Program Academic Learning Compacts

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

Equipment Fees

- Part-Time Student: $19.50 per term
- Full-Time Student: $39 per term

Biology (B.S.)
College of Sciences
Department of Biology, BL, Room: 301
http://www.cos.ucf.edu/biology
Email: biology@ucf.edu
Phone: 407-823-2141

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 satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- 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 prerequisites of courses taught within the College of Sciences will be enforced.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L Biology Laboratory Techniques 1 hr
  - BSC 4937 Instructional Experiences in Undergraduate Biology 2 hrs
- Upon reaching junior standing (60 hours), Biology majors are expected to have completed the following courses and associated chemistry laboratories. These courses are prerequisites for advanced science classes and students entering the major without these classes will be unable to register for most of the advanced courses.
  - BSC 2010C Biology I 4 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 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
  - PHY 2053C College Physics I 4 hrs
  - PHY 2054C College Physics II 4 hrs

1. UCF General Education Program (GEP) (38 hrs)

- Certain course 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 State 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)

- Mathematics: 3 hrs
  - Prior to enrolling in Math, take Math Placement Test - http://utc.sdes.ucf.edu
  - Suggested MAC 2233 Concepts of Calculus or 3 hrs
  - Suggested MAC 2253 Applied Calculus or 3 hrs
  - Prefer MAC 2311C Calculus with Analytic Geometry I 4 hrs

Statistics

- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

- A minimum grade of “C” (2.0) is required for this Biology course to be used as a prerequisite.
  - Required BSC 2010C Biology I 4 hrs

Select the sequence identified by the Chemistry Placement exam;

- Prior to enrolling in Chemistry, take Chemistry Placement Test- http://knightsource.sdes.ucf.edu/placement
  - For students with a strong chemistry background and a high Chemistry Placement score: Required CHM 2045C Chemistry Fundamentals I 4 hrs
  - Or - Students with little chemistry background should take this two semester equivalent instead.
    - Required CHM 2040 Chemistry Fundamentals IA and 3 hrs
    - Required CHM 2041 Chemistry Fundamentals IB 3 hrs

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 GEP
  - BSC 2011C Biology II 4 hrs

Chemistry:

- Take Placement test before starting chemistry; http://knightsource.sdes.ucf.edu/placement
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - Or - both of the following:
    - CHM 2040 Chemistry Fundamentals IA and 3 hrs
    - CHM 2041 Chemistry Fundamentals IB 3 hrs
  - And - both of the following:
    - CHM 2046 Chemistry Fundamentals II 3 hrs
    - CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Math:

- Select one math course and this statistics course.
  - MAC 2233 Concepts of Calculus or GEP
  - MAC 2253 Applied Calculus or GEP

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or

MAC 2311C
STA 2023

Calculus with Analytic Geometry I and
Statistical Methods I

4 hrs
3 hrs

Physics: Complete one entire sequence

PHY 2053C
PHY 2054C

College Physics I and
College Physics II

4 hrs
4 hrs

- or

PHY 2048C
PHY 2049C

General Physics Using Calculus I and
General Physics Using Calculus II

4 hrs
4 hrs

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

GEP/CPP
GEP/CPP

Cognate Sciences Basic Core:

Chemistry Sequence

CHM 2045C

Chemistry Fundamentals I

GEP/CPP

or

CHM 2040

Chemistry Fundamentals I A and
Chemistry Fundamentals II A

GEP/CPP
GEP/CPP

and

CHM 2046

Chemistry Fundamentals II and
Chemistry Fundamentals Laboratory

GEP/CPP
GEP/CPP

Organic or Analytic Sequence

Preferred CHM 2010 Organic Chemistry I and
Preferred CHM 2211 Organic Chemistry II and
CHM 2211L

Chemical Laboratory Techniques I

3 hrs
3 hrs
2 hrs

or

CHM 2205

Introduction to Organic and Biochemistry

5 hrs

and

CHM 3120

Analytical Chemistry and
Analytical Chemistry Laboratory

3 hrs
1 hr

Physician Sequence

PHY 2035C

College Physics I and
College Physics II

GEP/CPP
GEP/CPP

or

PHY 2048C

General Physics Using Calculus I and
General Physics Using Calculus II

GEP/CPP
GEP/CPP

Mathematics

MAC 2233

Concepts of Calculus or
Applied Calculus or

GEP/CPP
GEP/CPP

Preferred MAC 2311C Calculus with Analytic Geometry I

GEP/CPP

and

STA 2023

Statistical Methods I

GEP/CPP

4. Core Requirements: Advanced Level (13 hrs)

B. Laboratories

May include other laboratories as approved by an advisor

BOT 4223C

Plant Anatomy

4 hrs

BOT 4303C

Plant Kingdom

5 hrs

BOT 3018C

Culinary Botany Across the Cultures

3 hrs

BOT 4713C

Plant Taxonomy

5 hrs

BSC 4312C

Advanced Marine Biology

4 hrs

ENY 4004C

General Entomology

4 hrs

ZOO 3713C

Comparative Vertebrate Anatomy

4 hrs

ZOO 4462C

Herpetology

4 hrs

ZOO 4603C

Embryology/Development

5 hrs

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 all courses in the track.

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 offered by the Department of Biology have been identified. Additional courses may be used to meet requirements with approval of the undergraduate program coordinator via petition.

Courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.

Courses at the 5000 level are only open to seniors and beginning graduate students. 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 ANT 3550C

Primatology

3 hrs

1 BCH 4053

Biochemistry I

3 hrs

2 BOT 3018C

Culinary Botany Across the Cultures

3 hrs

2 BOT 3802

Ethnobotany

3 hrs

2 BOT 4223C

Plant Anatomy

4 hrs

2 BOT 4303C

Plant Kingdom

5 hrs

2 BOT 4434C

General Mycology

4 hrs

2 BOT 4503

Plant Physiology

3 hrs

2 BOT 4713C

Plant Taxonomy

5 hrs

2 BOT 4850

Medicinal Botany

3 hrs

2 BSC 3052

Conservation Biology

3 hrs

2 BSC 3312

Principles of Marine Biology

3 hrs

2 BSC 4312C

Advanced Marine Biology

4 hrs

2 BSC 4330

Invasion Biology

3 hrs

2 BSC 4821

Biogeography

4 hrs

2 BSC 4861L

Urban Ecological Field Studies

3 hrs

2 BSC 5258L

Tropical Biology Research and Conservation

3 hrs

2 ENY 4004C

General Entomology

4 hrs

2 ENY 5006C

Entomology

4 hrs

2 MCB 3020C

General Microbiology

5 hrs

2 PAZ 4243

Zoo and Aquarium Management

3 hrs

2 PCB 3343L

Principles of Field Ecology

2 hrs

2 PCB 3354

Tropical Ecology and Conservation

3 hrs

2 PCB 3355L

Tropical Marine Biology

2 hrs

2 PCB 3442

Aquatix Ecology

3 hrs

2 PCB 4353

Florida Ecology, Natural History and Conservation

3 hrs

2 PCB 5435C

Marine Ecology of Florida

4 hrs

2 PCB 5485

Models in Ecology

3 hrs

2 PCB 5833

Immunology

3 hrs

2 PCB 7032C

Human Physiology

4 hrs

2 PCB 4402

Disease Ecology & Ecosystem Immunology

3 hrs

2 PCB 4514

Genetics II

3 hrs

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Undergraduate Catalog 2016-2017
Additional Biology Electives: 7 hrs
- Courses must be selected from the General Biology Track restricted elective list

Biology B.S.: Plant Sciences Track 22 hrs

Required Elective
- BOT 3802 Ethnobotany 3 hrs

Restricted Electives (choose from the following): 12 hrs
- BOT 3018C Culinary Botany Across the Cultures 3 hrs
- BOT 4850 Medicinal Botany 3 hrs
- BOT 4223C Plant Anatomy 4 hrs
- BOT 4503 Plant Physiology 3 hrs
- BOT 4713C Plant Taxonomy 5 hrs
- BSC 4330 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

Biology B.S.: Pre-Health Professional Biology 22 hrs

Track

Required Electives (choose two from the following): (9-10hrs)
- 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 4678 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 4205C 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 Science Track 22 hrs

Required Electives (choose one from the following): (3-4hrs)
- PCB 4723 Animal Physiology 4 hrs
- ZOO 4513 Animal Behavior 3 hrs

Restricted Electives (choose from the following): (11-12hrs)
- ANT 3550C Primateology 3 hrs
- ENY 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 4205C Biology and Ecology of Metazoan Invertebrates 4 hrs
- ZOO 4310C Vertebrate Evolution & Ecology 4 hrs
- ZOO 4603C Embryology/Development 5 hrs
- ZOO 4480 Mammalogy 4 hrs

Additional Biology Electives: (6-8hrs)
- Courses must be selected from the General Biology Track restricted elective list

6. Capstone Requirements
- None
UCF Degree Programs

Biomedical Sciences
- Environmental Studies
- Related Minors
- Certificates
- Interdisciplinary Studies - Environmental Studies Track

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

Electives
- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

Additional Requirements
- None

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:
  - BSC 2010C: BSCX040/X040L
  - BSC 2011C: BSCX041/X041L; ZOOX010/X010L; BOTX010/X010L; BOTX013/X013L
  - CHM 2046/CHM 2046L: CHMX046C
  - Math/Statistics and Physics: Although a number of courses will satisfy the CPP, please refer to the catalog copy for the specific courses that are required in the program.

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 CHM 2045C, take Chemistry Placement Test. Instructions are at http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test at 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
- BSC 2010C: Biology I 4 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- Math Course, depending on placement score 4 hrs
- ENC 1101: Composition I 3 hrs

Freshman Year - Spring
- BSC 2011C: Biology II 4 hrs
- CHM 2046: Chemistry Fundamentals II 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- ENC 1102: Composition II 3 hrs
- Math Course 4 hrs

Freshman Year - Summer
- Math Course 3 hrs

Sophomore Year - Fall
- CHM 2210: Organic Chemistry I 3 hrs
- PHY 2053C: College Physics I 4 hrs
- GEP 3 hrs

Sophomore Year - Spring
- CHM 2211: Organic Chemistry II 3 hrs
- GEP 3 hrs
- PCB 3044: Principles of Ecology 3 hrs
- PHY 2054C: College Physics II 4 hrs

Sophomore Year - Summer
- CHM 2211L: Organic Laboratory Techniques I 2 hrs
- GEP 3 hrs

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Junior Year - Fall 15 hrs
STA 2023  Statistical Methods I  3 hrs
Botany Elective or Upper Division Biology Elective  4 hrs
Upper Division Biology  3 hrs
Free Elective  4 hrs

Junior Year - Spring 13 hrs
PCB 3083  Genetics  3 hrs
Zoology Elective or Botany Elective  4 hrs
Upper Division Biology Elective  3 hrs
Free Elective  3 hrs

Junior Year - Summer 4 hrs
Upper Division Biology Elective  4 hrs

Senior Year - Fall 11 hrs
PCB 4683  Evolutionary Biology  4 hrs
PCB 3023  Molecular Cell Biology  3 hrs
Upper Division Biology Lab  1 hr
Free Elective  3 hrs

Senior Year - Spring 14 hrs
Upper Division Biology Elective  4 hrs
Upper Division Biology Elective  4 hrs
Upper Division Biology Elective  3 hrs
Upper Division Biology 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: $24.85 per term
- Full-Time Student: $49.70 per term

Biomedical Sciences (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
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 in the Molecular and Cellular Biology or Molecular and Microbiology tracks must maintain a minimum GPA of 3.2 for courses in sections 2-5. 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 per semester.
- Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 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 (6 hrs)
Required STA 2023 Statistical Methods I  3 hrs

Select 1: 3 hrs
Suggested MAC 2311C Calculus with Analytic Geometry I or
Suggested MAC 2253 Applied Calculus  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) (24 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- BSC 2010C Biology I  GEP
1 BSC 2011C Biology II  4 hrs
2 CHM 2045C Chemistry Fundamentals I  GEP

Select one of the following sequences of courses:
PHY 2048C General Physics Using Calculus I and
PHY 2049C General Physics Using Calculus II  4 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level

B: Biomedical Science (Non-Track) 25 hrs
- The following core courses are for students completing the general Biomedical Science degree.

Life Sciences 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: 3 hrs
MCB 4414 Microbial Metabolism or
MCB 4410 Cellular Metabolism  3 hrs

Select one of the following sequences of courses:
PCB 4280 Molecular Immunology and
PCB 3236L Immunology Laboratory  1 hr

Chemistry 3 hrs
BCH 4053 Biochemistry I  3 hrs

B: Biomedical Science (Track Option) 34 hrs
- Students in the Molecular Microbiology and Molecular and Cellular Biology Tracks must complete the following courses in addition to completing 12 hours in their track core listed below.
BSC 3403C Quantitative Biological Methods  4 hrs
MCB 3020C General Microbiology  5 hrs
BCH 4053 Biochemistry I  3 hrs
PCB 3522 Molecular Biology I  3 hrs
PCB 3236L Immunology Laboratory  1 hr
PCB 4280 Molecular Immunology  3 hrs
PCB 4524 Molecular Biology II  3 hrs
**Molecular Microbiology Track Core** 12 hrs

- MCB 4204 Cellular Microbiology: Host-Pathogen (3 hrs)
- MCB 4603 Molecular and Cellular Pharmacology (3 hrs)
- MCB 4529C Experimental Molecular Cell Biology (3 hrs)
- PCB 4028 Molecular and Cellular Pharmacology (3 hrs)
- PCB 4234 Cancer Biology (3 hrs)

**Molecular and Cellular Biology Track Core** 12 hrs

- MCB 4410 Cellular Metabolism (3 hrs)
- 1 PCB 4529C Experimental Molecular Cell Biology (4 hrs)
- PCB 4028 Molecular and Cellular Pharmacology (3 hrs)
- PCB 4234 Cancer Biology (3 hrs)

1 Including lab

5. Restricted Electives

**Biomedical Science (Non-Track) Electives** 23 hrs

- Select a minimum of seven (7) courses from the list below. At least two must have a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling.

Only three hours of Honors thesis will count towards restrictive elective requirement.

- Students can only select two (2) of the following BCH 4054, BCH 4103L, PCB 3063, PCB 4514, ZOO 4603C.
- BCH 4054 Biochemistry II (3 hrs)
- BCH 4103L Biochemical Methods (2 hrs)
- BOT 4434C General Mycology (4 hrs)
- BSC 4324 Nanobiotechnology (3 hrs)
- BSC 4434 Biomedical Informatics: Sequence Analysis (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)
- 3 MCB 4044 Bacterial Genetics and Physiology (3 hrs)
- 4 PCB 4114C Determinative & Systemic Microbiology (4 hrs)
- 5 PCB 4207 Infectious Processes (3 hrs)
- 6 PCB 4204 Cellular Microbiology: Host-Pathogen (3 hrs)
- Interactions

1 MCB 4276 Epidemiology of Infectious Diseases (3 hrs)
1 MCB 4312 Molecular Biotechnology (3 hrs)
1 MCB 4503C Virology (3 hrs)
1 MCB 4603 Environmental Microbiology (3 hrs)
1 MCB 4721C Methods in Biotechnology (3 hrs)
1 MCB 4909 Honors Undergraduate Thesis II (3 hrs)
1 MCB 5225 Molecular Biology of Disease (3 hrs)
1 PCB 5654C Applied Industrial Microbiology (3 hrs)
1 MBS 5932 Current Topics in Molecular Biology (3 hrs)
1 MLS 3220C Techniques in Clinical Microscopy (3 hrs)
1 MLS 3305 Hematology (3 hrs)
1 MLS 4334 Hemo/Coag (3 hrs)
1 MLS 4430C Clinical Parasitology (3 hrs)
1 MLS 4505C Immunodiagnostic (3 hrs)
1 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)
1 PCB 4115 Applied Molecular Cell Biology (3 hrs)
1 PCB 4174 Foundation of Bio-Imaging Science (3 hrs)
1 PCB 4234 Cancer Biology (3 hrs)
1 PCB 4264 Stem Cell Biology (3 hrs)
1 PCB 4284 Immunobiology (3 hrs)
1 PCB 4514 Genetics II (3 hrs)
1 PCB 4521 Tissue Engineering (3 hrs)
1 PCB 4529C Experimental Molecular Cell Biology (4 hrs)
1 PCB 4708L Laboratory Virtual Simulations in Physiology (3 hrs)
1 PCB 4805 Endocrinology (3 hrs)
1 PCB 4832 Cellular and Molecular Basis of Brain Functions
1 PCB 4833 Advanced Human Physiology (3 hrs)
1 PCB 4843 Cellular and Molecular Neuroscience (3 hrs)
1 PCB 5236 Cancer Biology (3 hrs)
1 PCB 5275 Signal Transduction Mechanics (3 hrs)
1 ZOO 3701C Human Gross Anatomy & Dissection (3 hrs)
1 ZOO 3713C 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
1 ZOO 4742 Advanced Neurobiology (3 hrs)

1 ZOO 4743C Clinical Neuroanatomy and Neuroscience (4 hrs)
1 ZOO 4747C Clinical Neuroscience (4 hrs)
1 ZOO 4753C Vertebrate Histology (4 hrs)
1 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.

**Molecular Microbiology Track Electives** 11 hrs

- Students must choose three (3) courses from the list below:

- At least two (2) must have a laboratory component
- BOT 4434C General Mycology (4 hrs)
- MCB 4276 Epidemiology of Infectious Diseases (3 hrs)
- MCB 4312 Molecular Biotechnology (3 hrs)
- MCB 4503C Virology (3 hrs)
- MCB 4603 Environmental Microbiology (3 hrs)
- MCB 4721C Methods in Biotechnology (4 hrs)
- PCB 4115 Applied Molecular Cell Biology (3 hrs)
- PCB 4234 Cancer Biology (3 hrs)
- PCB 4264 Stem Cell Biology (3 hrs)
- PCB 4521 Tissue Engineering (3 hrs)
- PCB 4643 Human Genetics (3 hrs)
- PCB 4832 Cellular and Molecular Basis of Brain Functions
- PCB 4833 Advanced Human Physiology (3 hrs)
- PCB 4843 Cellular and Molecular Neuroscience (3 hrs)
- PCB 5236 Cancer Biology (3 hrs)
- PCB 5275 Signal Transduction Mechanics (4 hrs)
- ZOO 3701C Human Gross Anatomy & Dissection (3 hrs)
- ZOO 3713C Human Anatomy (4 hrs)
- ZOO 3744 Neurobiology (3 hrs)
- ZOO 3755C Introductory Histology (4 hrs)
- ZOO 4603C Embryology/Development (5 hrs)
- ZOO 4605 Human Clinical Embryology and Congenital Malformation
- ZOO 4742 Advanced Neurobiology (3 hrs)

1 Must also choose MCB 3203L Pathogenic Microbiology Lab

**Molecular and Cellular Biology Track Electives** 10 hrs

- Students must choose three (3) electives from the list below:

- At least one (1) must have a laboratory component
- BSC 4434 Biomedical Informatics: Sequence Analysis (3 hrs)
- MCB 4721C Methods in Biotechnology (4 hrs)
- MCB 5225 Molecular Biology of Disease (3 hrs)
- PCB 3703C Human Physiology (4 hrs)
- PCB 4115 Applied Molecular Cell Biology (3 hrs)
- PCB 4174 Foundation of Bio-Imaging Science (3 hrs)
- PCB 4264 Stem Cell Biology (3 hrs)
- PCB 4521 Tissue Engineering (3 hrs)
- PCB 4643 Human Genetics (3 hrs)
- PCB 4832 Cellular and Molecular Basis of Brain Functions
- PCB 4833 Advanced Human Physiology (3 hrs)
- PCB 4843 Cellular and Molecular Neuroscience (3 hrs)
- PCB 5236 Cancer Biology (3 hrs)
- PCB 5275 Signal Transduction Mechanics (4 hrs)
- ZOO 3701C Human Gross Anatomy & Dissection (3 hrs)
- ZOO 3713C Human Anatomy (4 hrs)
- ZOO 3744 Neurobiology (3 hrs)
- ZOO 3755C Introductory Histology (4 hrs)
- ZOO 4603C Embryology/Development (5 hrs)
- ZOO 4605 Human Clinical Embryology and Congenital Malformation
- ZOO 4742 Advanced Neurobiology (3 hrs)

1 Additional elective course can be chosen from either the list above or from the broader list of electives shown under Biomedical Science (Non-Track) Electives.

6. Capstone Requirements

- None

7. Foreign Language Requirements

- 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.

- Molecular Microbiology and Molecular and Cellular Biology track students must complete all coursework in the baccalaureate curriculum as shown and earn a GPA of at least 3.2 for all coursework in the sciences.
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 course with a grade of B or better (4 credits):
  - BSC 2011C Biology II 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
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- †MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs

† or follow math sequence determined by Math Placement Exam

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- GEP 3 hrs

Select 1: 3 hrs
- STA 2023 Statistical Methods I or 3 hrs
- CGS 1096C Introduction to Computers 3 hrs

Sophomore Year - Spring
- 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
- Restricted Elective or Elective 3 hrs
- Elective 3 hrs

Select 1: 3 hrs
- CHM 2211L Organic Laboratory Techniques I or 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall
- 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

† Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC2311/2312 as prerequisites

Junior Year - Spring
- 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

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology 4 hrs
- PCB 3233 or Restricted Elective 3 hrs

† Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC2311/2312 as prerequisites

Senior Year - Fall
- GEP 3 hrs
- Restricted Elective 3 hrs

Select 1: 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- BCH 4053 Biochemistry I 3 hrs

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology 4 hrs
- PCB 3233 or Restricted Elective 3 hrs

‡ Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC2311/2312 as prerequisites

Senior Year - Spring
- 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 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: $39 per term
- Full-Time Student: $78 per term
UCF Degree Programs

Biomedical Sciences - Preprofessional

Concentration (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu

Email: bsbsadvising@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 Molecular Biology and Microbiology degree.

Admission Requirements

None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students should complete the General Education Program before transferring within the Florida 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) (36 hrs)

■ Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 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)
- Required ENC 1101 Composition I 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Required CGS 1060C Introduction to Computers or
  - Required STA 2023 Statistical Methods I or

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Required SPC 1603C Fundamentals of Technical Presentations

E: Science Foundations (6 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals 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 2011C Biology II 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311C Calculus with Analytic Geometry I 4 hrs

Select one of the following sequences of courses:

PHY 2053C College Physics I and 4 hrs
or
PHY 2048C General Physics Using Calculus I and 4 hrs

3. Core Requirements: Basic Level (10 hrs)

Life Sciences: Basic Techniques
SLS 2311C Overview of Select Medical Careers 2 hrs

Math, Statistics, Computers

Select 1: 4 hrs
- MAC 2311C Calculus with Analytic Geometry I or
- MAC 2253 Applied Calculus

Select 1: 3 hrs
- STA 2023 Statistical Methods I or
- CGS 1060C Introduction to Computers

Chemistry

Take all of the following: 8 hrs
CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences: Advanced

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

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
- MCB 4410 Cellular Metabolism 3 hrs

Chemistry

BCH 4053 Biochemistry I 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 in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:
■ Students cannot choose more than two (2) of the following restricted electives: BCH 4054, BCH 4103L, PCB 3063, PCB 4514, ZOO 4603C.

- BCH 4054 Biochemistry II 3 hrs
- MCB 3202 Principles of Infectious Disease 3 hrs
- 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 4970H Honors Undergraduate Thesis II 3 hrs
- MCB 5225 Molecular Biology of Disease 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 4514 Genetics II 3 hrs
- PCB 4708L Laboratory Virtual Simulations in Physiology 3 hrs
- PCB 4803 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
- ZOO 3733C Human Anatomy 4 hrs
- ZOO 3744 Neurobiology 3 hrs
ZOO 3755C Introductory Histology 4 hrs
ZOO 4603C Embryology/Development 5 hrs
ZOO 4605 Human Clinical Embryology and Congenital Malformation 3 hrs
ZOO 4742 Advanced Neurobiology 3 hrs
ZOO 4743C Clinical Neuroanatomy and Neuroscience 4 hrs
ZOO 4753C Vertebrate Histology 4 hrs
ZOO 4747C Clinical Neuroscience 4 hrs

1 Students must also select MCB 3203L Pathogenic Microbiology Lab in order for this 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

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

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
   - CHM 2045C Chemistry Fundamentals I 3 hrs
   - CHM 2040C Chemistry Fundamentals I 3 hrs
   - CHM 2041C Chemistry Fundamentals I 3 hrs
   - CHM 2045C Chemistry Fundamentals I 3 hrs

Plan of Study

Freshman Year - Fall
   ENC 1101 Composition I 3 hrs
   CHM 2045C Chemistry Fundamentals I 4 hrs
   SLS 2311C Overview of Select Medical Careers 2 hrs
   GEP 3 hrs

   1 or follow math sequence determined by Math Placement Exam

Freshman Year - Spring
   ENC 1102 Composition II 3 hrs
   CHM 2045C Chemistry Fundamentals I 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory 3 hrs
   GEP 3 hrs

Sophomore Year - Fall
   CHM 2111 Organic Chemistry I 3 hrs
   MCB 3020C General Microbiology 5 hrs
   GEP 3 hrs

   Select 1: 3 hrs
   CHM 2045C Chemistry Fundamentals I 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory 3 hrs
   GEP 3 hrs

   Sophomore Year - Spring
   CHM 2211 Organic Chemistry II 3 hrs
   CHM 3403C Quantitative Biological Methods 4 hrs
   GEP 3 hrs

   Select 1: 3 hrs
   CHM 2111 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

   9 hrs

Select 1: 3 hrs
   CHM 2211L Organic Laboratory Techniques I or 2 hrs
   Elective 3 hrs

Junior Year - Fall
   PCB 3522 Molecular Biology I 3 hrs
   GEP 3 hrs

   Select 1: 3 hrs
   PHY 2053C College Physics I or 4 hrs
   1 PHY 2048C General Physics Using Calculus I 4 hrs

Junior Year - Spring
   PCB 4524 Molecular Biology II 3 hrs
   Restricted Elective 3 hrs

   Select 1: 4 hrs
   PHY 2054C College Physics II or 4 hrs
   PHY 2054C College Physics II 4 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
UCF Degree Programs

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

Select 1: 3 hrs
PCB 3233L and PCB 4280 Molecular Immunology or
PCB 3233 or Restricted Elective

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.oesas.ucf.edu/acl/academic_learning_compacts.htm](http://www.oesas.ucf.edu/acl/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
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
[http://www.biomed.ucf.edu](http://www.biomed.ucf.edu)

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 1603C 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
- Required MAC 2253 Applied Calculus 3 hrs

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.

3. Core Requirements: Basic Level (52 hrs)

4. Core Requirements: Advanced Level (52 hrs)

Life Sciences
- MCB 3020C General Microbiology 5 hrs
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4252 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 1 of the following sequences of courses:
- PCB 4280 Molecular Immunology and
  - PCB 3233L Immunology Laboratory 1 hr
- PCB 3233L Immunology Laboratory 1 hr

Select 1: 3 hrs
- MCB 4414 Microbial Metabolism or
- MCB 4410 Cellular Metabolism 3 hrs

Chemistry
- BCH 4053 Biochemistry I 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2211L Organic Laboratory Techniques I 2 hrs

Physics
Select 1 of the following sequences of courses:
- PHY 2053C College Physics I and
  - PHY 2054C College Physics II 4 hrs
- PHY 2054C College Physics II 4 hrs
- PHY 2048C General Physics Using Calculus I and
  - PHY 2049C General Physics Using Calculus II 4 hrs

Math
Select 1: 3 hrs
- MAC 2311C Calculus with Analytic Geometry I or
  - MAC 2253 Applied Calculus 3 hrs

5. Restricted Electives (6 hrs)
- Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department.
- 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
PCB 4284  Immunobiology  3 hrs
MCB 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 5932  Current Topics in Molecular Biology  3 hrs
PCB 3063  Genetics  3 hrs
PCB 3703C  Human Physiology  3 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

1 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

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
■ Medical Laboratory Sciences
■ Biomedical Sciences

Certificates
■ None

Related Minors
■ Biology
■ Chemistry
■ Biomedical Sciences

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.

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

Acceptable Substitutes
CHM 2045C may be substituted with CHM 2040 and CHIM 2041
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
1 14 hrs
1 ENC 1101  Composition I  3 hrs
1 CHM 2045C  Chemistry Fundamentals I  4 hrs
1 MAC 2311C  Calculus with Analytic Geometry I  4 hrs
1 GEP 3 hrs
1 or follow math sequence determined by Math Placement Exam

Freshman Year - Spring
14 hrs
1 ENC 1102  Composition II  3 hrs
1 BSC 2010C  Biology I  4 hrs
1 CHM 2046  Chemistry Fundamentals II  3 hrs
1 CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
1 GEP 3 hrs

Sophomore Year - Fall
14 hrs
1 CHM 2210  Organic Chemistry I  3 hrs
1 MCB 3020C  General Microbiology  3 hrs
1 Select 1:
1 STA 2023  Statistical Methods I or 3 hrs
1 CGS 1060C  Introduction to Computers  3 hrs

Sophomore Year - Spring
16 hrs
1 CHM 2211  Organic Chemistry II  3 hrs
1 BSC 3403C  Quantitative Biological Methods  4 hrs
1 GEP 3 hrs
1 Restricted Elective or Elective  3 hrs

Select 1:
1 CHM 2211L Organic Laboratory Techniques I or 2 hrs
1 Elective  3 hrs

Sophomore Year - Summer
9 hrs
1 Restricted Elective or Elective  3 hrs
1 Elective  3 hrs

Select 1:
1 CHM 2211L Organic Laboratory Techniques I or 2 hrs
1 Elective  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
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UCF Degree Programs

Junior Year - Fall 13 hrs
PCB 3522 Molecular Biology I 3 hrs
MCB 4720 Industrial Perspectives Seminar 3 hrs
GEP 3 hrs
Select 1: 4 hrs
PHY 2053C College Physics I or 4 hrs
1 PHY 2048C General Physics Using Calculus I 4 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311C/2312 as prerequisites.

Junior Year - Spring 15 hrs
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 4721C Methods in Biotechnology 4 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 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

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
Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

MCB 3020C General Microbiology 5 hrs
MCB 4720 Industrial Perspectives Seminar 3 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs

Junior Year - Spring
PCB 3522 Molecular Biology I 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
BCH 4053 Biochemistry I 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall
MCB 4414 Microbial Metabolism 3 hrs
MCB 4721C Methods in Biotechnology 4 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $39 per term
Full-Time Student: $78 per term

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.

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
Preferred 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
Preferred 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 ~ 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 2312 Calculus with Analytic Geometry II 4 hrs
  PHY 2046C General Physics Using Calculus I GEP
  PHY 2046C General Physics Using Calculus II 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 2312 Calculus with Analytic Geometry II and CPP
  PHY 2046C General Physics Using Calculus I and GEP/CPP
  PHY 2046C General Physics Using Calculus II CPP

Core: Additional requirements
  BSC 2010C Biology I GEP
  MAC 2313 Calculus with Analytic Geometry III 4 hrs
- and either:
  STA 1063C Basic Statistics Using Microsoft Excel or GEP
  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 II 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 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 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
  CHS 5450 Biophysical Chemistry 3 hrs
  CHS 5455C Techniques in Physical Chemistry 3 hrs
  CHS 5590 Advanced Physical Chemistry II 3 hrs
  CHS 5912 Directed Independent Research 4 hrs
  CHS 5930 Chemistry Seminar I 1 hr
  CHS 5931 Chemistry Seminar II 1 hr

Directed Electives 3 hrs
- Course will be selected with the aid of a departmental
  advisor and approved in advance by the department chair.
  Course will be selected from the physical, biological,
  mathematical sciences and/or related disciplines and
  normally will be at the 3000/4000 level. Co-op courses
  cannot be used in the major.

6. 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 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
- 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
### UCF Degree Programs

#### 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.

### Degree Requirements

#### Freshman Year - Fall
- **15 hrs**
  - 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
- **14 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.
  - MAC 2312 Calculus with Analytic Geometry II  4 hrs
  - ENC 1102 Composition II  3 hrs
  - GEP  3 hrs

#### Sophomore Year - Fall
- **14 hrs**
  - 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
- **14 hrs**
  - CHM 2211 Organic Chemistry II  3 hrs
  - CHM 2211L Organic Laboratory Techniques I  2 hrs
  - Lab may be taken in a later term if seats are not available.
  - PHY 2049C General Physics Using Calculus II  4 hrs
  - GEP  3 hrs
  - Free Elective  2 hrs

#### Junior Year - Fall
- **16 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 II  2 hrs
  - CHM 3410 Physical Chemistry I  4 hrs
  - GEP  3 hrs

#### Junior Year - Spring
- **16 hrs**
  - 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

#### Senior Year - Fall
- **16 hrs**
  - CHM 4610L Inorganic Chemistry Laboratory  2 hrs
  - CHM 4930 Chemistry Seminar I  1 hr
  - CHM 4912 Directed Independent Research  2 hrs
  - Restricted Elective  3 hrs
  - GEP  3 hrs
  - Free Elective  2 hrs
  - Free Elective  3 hrs

#### Senior Year - Spring
- **15 hrs**
  - CHM 4912 Directed Independent Research  2 hrs
  - CHM 4931 Chemistry Seminar II  1 hr
  - GEP  3 hrs
  - Free Elective  3 hrs
  - Free 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/al/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Chemistry - Biochemistry Track (B.S.)

#### College of Sciences

#### Department of Chemistry,
Physical Sciences, Room: 255
http://www.cos.ucf.edu/chemistry

Email: pedro.patino@ucf.edu
Dr. Pedro Patino
Phone: 407-823-2246

#### Admission Requirements
- All prerequisites for courses taught within the College of Sciences will be enforced.

### Acceptable Substitutes for common program prerequisites

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Hours</th>
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<td>CHM 2045C</td>
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<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
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<td>BSC 2010C</td>
<td>Biology I</td>
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<td>ENC 1101</td>
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<td>CHM 2046L</td>
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<td>MAC 2312</td>
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<td>PHY 2048C</td>
<td>General Physics Using Calculus I</td>
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<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
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<td>CHM 3120</td>
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<td>CHM 4130</td>
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<td>CHM 4610</td>
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<td>CHM 4130L</td>
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<td>1 hr</td>
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<tr>
<td>CHM 4912</td>
<td>Directed Independent Research</td>
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<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHM 4912</td>
<td>Directed Independent Research</td>
<td>2 hrs</td>
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<tr>
<td>CHM 4931</td>
<td>Chemistry Seminar II</td>
<td>1 hr</td>
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<tr>
<td>GEP</td>
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<td>3 hrs</td>
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<tr>
<td>Free Elective</td>
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<tbody>
<tr>
<td>CHM 4912</td>
<td>Directed Independent Research</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus II</td>
<td>4 hrs</td>
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</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)
   - Required: MAC 2311C Calculus with Analytic Geometry I 4 hrs
   - Prefer: STA 2023 Statistical Methods I 3 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)
   - 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) (20 hrs)
   - Select either:
     CHM 2045C Chemistry Fundamentals I 4 hrs
    - or
     CHM 2040 Chemistry Fundamentals IA and 3 hrs
     CHM 2041 Chemistry Fundamentals IB 3 hrs
  
   - and complete all the following 24 hrs
     CHM 2046 Chemistry Fundamentals II and 3 hrs
     CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
     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
     MAC 2311C Calculus with Analytic Geometry I and 4 hrs
     MAC 2312 Calculus with Analytic Geometry II and 4 hrs
     PHY 2048C General Physics Using Calculus I and 4 hrs
     PHY 2048C General Physics Using Calculus II and 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
     CHM 2040 Chemistry Fundamentals IA and 3 hrs
     CHM 2041 Chemistry Fundamentals IB 3 hrs
  
   - and
     CHM 2046 Chemistry Fundamentals II and 3 hrs
     CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
     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
     MAC 2311C Calculus with Analytic Geometry I and 4 hrs
     MAC 2312 Calculus with Analytic Geometry II and 4 hrs
     PHY 2048C General Physics Using Calculus I and 4 hrs
     PHY 2048C General Physics Using Calculus II and 4 hrs

Basic Core: Additional Requirements 10 hrs
- BSC 2010C Biology I and 4 hrs
- CHM 3120 Analytical Chemistry and 3 hrs
- CHM 3120L Analytical Chemistry Laboratory and 1 hr
- CHM 3215L Organic Laboratory Techniques II and 2 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- and either
  - STA 2023 Statistical Methods I or 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

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

5. Restricted Electives (10 hrs)
   - Select from the following:
     CHM 4130 Advanced Analytical Laboratory Technique 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

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - 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.
   - 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 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.
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
- 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
- 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
- Lab may be taken in a later term if seats are not available.
- 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
- Lab may be taken in a later term if seats are not available.
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3210L Analytical Chemistry Laboratory 1 hr
- PHY 2049C General Physics Using Calculus II 4 hrs
- PCB 3063 Genetics 3 hrs

Junior Year - Fall
- 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

Junior Year - Spring
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- MCB 3020C General Microbiology 5 hrs
- GEP 3 hrs

Senior Year - Fall
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 4912 Directed Independent Research 1 hr
- CHM 4930 Chemistry Seminar I 1 hr
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- CHM 4931 Chemistry Seminar II 1 hr
- 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 2 hrs
- GEP 4 hrs

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

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 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.
### 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 Writing 3 hrs

#### B: Cultural & Historical Foundations (9 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 GEP 4 hrs
- **Required**: STA 3032 Probability and Statistics for Engineers 3 hrs

#### D: Social Foundations (6 hrs)

- Select one course 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
- **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.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Note: A grade of “C” (2.0) or better is required in each course in this section.

- **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**
- **MAP 2302 Ordinary Differential Equations I 3 hrs**
- **PHY 2048C General Physics Using Calculus I GEP 4 hrs**
- **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**

- **First alternative**: Select all of the following:
  - **CHM 2040 Chemistry Fundamentals IA and IB 3 hrs**
  - **CHM 2041 Chemistry Fundamentals IB 3 hrs**

- **Second alternative**: Select one of the following sequences of courses:
  - **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 (60 hrs)

- **EGN 3310 Engineering Analysis-Statics 3 hrs**
- **EGN 3321 Engineering Analysis-Dynamics 3 hrs**
- **EGN 3331C Mechanics of Materials 3 hrs**
- **EGN 3613 Engineering Economic Analysis 2 hrs**
- **ENV 3001 Environmental Engineering 3 hrs**
- **CCE 4003 Introduction to the Construction Industry 3 hrs**
- **STA 3032 Probability and Statistics for Engineers GEP 3 hrs**
- **EGN 3700C Civil Engineering Measurements 2 hrs**
- **CGN 3501C Civil Engineering Materials 3 hrs**
- **CEG 4011C Geotechnical Engineering I 4 hrs**
- **CES 4100C Structural Analysis I and Lab 4 hrs**
- **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 Lab 3 hrs**
- **CWR 4124 Hydrogeology 3 hrs**

#### Water Resources:

- **CWR 4120 Hydrology and Water Resources 3 hrs**
- **CWR 4124 Hydrogeology 3 hrs**

#### Transportation:

- **TTE 4274 Transportation Engineering Systems and Practice 3 hrs**
- **TTE 4300 Transportation Analytics 3 hrs**

#### Structures:

- **CES 4605 Steel Structures and Design 3 hrs**
- **CES 4702 Reinforced Concrete Structures 3 hrs**

#### Mechanics:

- **EGN 3343 Thermodynamics and Power Systems 3 hrs**
- **CES 4205 Structural Mechanics 3 hrs**
Civil Engineering Depth Programs

- Take any of the courses not taken to complete required sequences above OR from the following list:

Environmental:
- ENV 4531 Environmental Engineering Unit Operations 3 hrs
- ENV 4561 Advanced Environmental Engineering Operations & Processes 3 hrs

Construction:
- CCE 4004 Construction Estimating and Scheduling 3 hrs
- CCE 4004 Construction Methods 3 hrs

5. Restricted Electives (3 hrs)
- Students should consult the CECE Web site and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Senior Design Courses

Design Specialization 3 hrs
- CEG 4801C Geotechnical Engineering Design 3 hrs
- CES 4743C Structural Design 3 hrs
- CWR 4812C Water Resources Design 3 hrs
- TTE 4601C Urban Systems Design 3 hrs
- CGN 4808C CECE Capstone Design 3 hrs

6. Capstone Requirements (6 hrs)
- Senior Design Courses

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.

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 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 15 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGS 1006C 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 3513 Engineering Economic Analysis 2 hrs

Sophomore Year - Fall 16 hrs
- MAC 2313 Calculus with Analytic Geometry III 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 - Spring 16 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- EGN 3331C 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
- CCE 4000C Civil Engineering Measurement 2 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- TTE 4810 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 3511C Civil Engineering Materials 3 hrs

Total Semester Hours Required 128

Honors In Major
- None

Related Programs
- Construction Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Mathematics
- Engineering Leadership
UCF Degree Programs

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.oecs.ucf.edu/alc/academic_learning_compacts.htm

Communication & Conflict (B.A.)
College of Sciences
Nicholson School of Communication,
NSC, Room: 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 3 hrs
Required SPC 1603C Fundamentals of Technical Presentations or 3 hrs
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 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.

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 3 hrs
SPC 1603C Fundamentals of Technical Presentations or 3 hrs
COM 1000 Introduction to Communication GEP

Statistics
STA 2014C Principles of Statistics GEP

Computer Science
3 hrs
Select 1: 3 hrs
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 3 hrs
COM 3800 Conflict Communication Research Methods 3 hrs
COM 4804 Conflict & Communication Context 3 hrs
COM 3802 Communication & Conflict 3 hrs

5. Restricted Electives (21 hrs)
Internal Restricted Electives: 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:
Select 1:
ENC 3315 Argumentative Writing or 3 hrs
ENC 3311 Essay as Cultural Commentary or 3 hrs
ENC 3250 Professional Writing or 3 hrs
ENC 3314 Writing and Rhetoric Foundations or 3 hrs
ENC 3241 Writing for the Technical Professional or 3 hrs
Other upper division COMM or SPC courses with prior approval of department advisor.

External Restricted Electives: 6 hrs
Select from the following list:
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 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.
UCF Degree Programs

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.

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

Human Communication
- None

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://utcs.sdes.ucf.edu

Freshman Year - Fall
- ENC 1102  Composition I  3 hrs
- GEP-Math  3 hrs
- GEP  3 hrs
- Foreign Language  4 hrs

Select 1:
- GEP  3 hrs
- STA 2014C  Principles of Statistics  3 hrs
- STA 2016  3 hrs
- COM 1000  Introduction to Communication  3 hrs
- COM 3800  Conflict Communication Research Methods  3 hrs

Sophomore Year - Fall
- ENC 1102  Composition I  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- Elective (Consider a minor)  3 hrs

Sophomore Year - Spring
- Internally Restricted Elective  3 hrs
- GEP  3 hrs
- COM 3800  Conflict Communication Research Methods  3 hrs
- GEP  3 hrs

Junior Year - Fall
- ENC 1102  Composition I  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- Elective (Consider a minor)  3 hrs

Junior Year - Spring
- COM 3800  Communication & Conflict  3 hrs
- Internally Restricted Elective  3 hrs
- Internally Restricted Elective  3 hrs
- Elective (Consider a minor)  3 hrs
- Elective (Consider a minor)  3 hrs

Senior Year - Fall
- COM 4804  Conflict & Communication Context  3 hrs
- Internally Restricted Elective  3 hrs
- Elective (Consider a minor)  3 hrs
- Elective (Consider a minor)  3 hrs

Senior Year - Spring
- COM 4806  Communication & Conflict 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.cohpa.ucf.edu/csd
Email: csundegraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Undergraduate Catalog 2016-2017
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)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Select 1: 3 hrs
      Required STA 2014C Principles of Statistics 3 hrs
   D: Social Foundations (6 hrs)
      Required PSY 2012 General Psychology 3 hrs
   E: Science Foundations (6 hrs)
      Required PHY, PSC, or CHM course listed in GEP E.1 3 hrs
      Required BSC 1005 Biological Principles 3 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)
   Core Requirements 53 hrs
   DEP 2004 Developmental Psychology 3 hrs
   SPA 3471 Communication Disorders in Literature and Media 3 hrs
   SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
   SPA 3112 Basic Phonetics 3 hrs
   SPA 3112L Basic Phonetics Lab 1 hr
   LIN 3716 Language Development 3 hrs
   LIN 3716L Language Development Lab 2 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 4476 Speech Disorders Across the Lifespan 3 hrs
   SPA 4032 Audiology 3 hrs
   SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
   SPA 4400 Language Disorders Across the Life Span 3 hrs
   LIN 3713 Language Science 3 hrs
   SPA 4870C Capstone Course 3 hrs
   SPA 4326 Hearing Disorders Across the Lifespan 3 hrs
   Select 1: 3 hrs
      EAB 3703 Principles of Behavior Modification or 4 hrs
      EEX 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
      SPA 3450 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:
      STA 2014C Principles of Statistics and GEP 3 hrs
      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
UCF Degree Programs

- 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
- 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
- ENC 1102: Composition II 3 hrs
- DEP 2004: Developmental Psychology 3 hrs

Select 1:
- PHY, PSC, or CHM Course 3 hrs
- GEP Social 3 hrs
- GEP Historical 3 hrs

Sophomore Year - Fall
- GEP Communication Disorders in Literature and Media 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
- SPA 3101L: Speech Science I: Production Lab 1 hr
- SPA 3112: Basic Phonetics 3 hrs
- Foreign Language I (B.A.) or Health Sciences (B.S.) elective 3 hrs

Select 1:
- EAB 3703: Principles of Behavior Modification or 4 hrs
- EDF 3303: Learning Environments and Guidance for Young Children or 3 hrs
- EEX 3450: Young Children With Special Needs or 3 hrs
- EEX 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:
- STA 2014C: Principles of Statistics or 3 hrs
- STA 2023: Statistical Methods I 3 hrs

Sophomore Year - Summer
- 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 3 hrs
- Free Elective 3 hrs

Junior Year - Fall
- 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

Junior Year - Spring
- 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
- 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:
- Statistical Methods II or 3 hrs
- Research Methods in Communication Sciences and Disorders 3 hrs

Senior Year - Spring
- 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/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $10 per term
- Full-Time Student: $20 per term

Computer Engineering (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
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 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
- 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 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 Microeconomics or 3 hrs
  - Prefer ECO 2023 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 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
- 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:
- 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 courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

- EGS 1005C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. **Core Requirements: Advanced Level** (57 hrs)

**Engineering Core** 6 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 48 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- COP 4331C Processes for Object-Oriented Software Development 3 hrs
- EEL 3004C Electrical Networks 3 hrs
- EEL 3233C Networks and Systems 4 hrs
- EEE 3307C Electronics I 4 hrs
- EEE 3342C Digital Systems 3 hrs
- EEL 3801C Computer Organization 3 hrs
- EEL 4762C Embedded Systems 4 hrs
- EEL 4768 Computer Architecture 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs
- COP 4600 Operating Systems 3 hrs
- EGN 3211 Engineering Analysis and Computation 3 hrs

1 A "C" (2.0) or better is required in this course.

5. **Restricted Electives** (9 hrs)
- Technical electives are available in the BScPE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

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 EECS 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.

UNIVERSITY OF CENTRAL FLORIDA
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 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

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
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- COP 3100C Introduction to Discrete Structures 3 hrs

Select 1: 3 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- SPC 1604 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

Preferred

Sophomore Year - Fall
- PHY 2049C General Physics Using Calculus II 4 hrs
- EGN 3211 Engineering Analysis and Computation 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- GEP- Historical Foundation 3 hrs

Sophomore Year - Spring
- EEL 3213C Networks and Systems 4 hrs
- EEL 3301C Computer Organization 3 hrs
- GEP- Cultural Foundation 3 hrs

Junior Year - Fall
- COP 3330 Object Oriented Programming 3 hrs
- COP 4502C Computer Science II 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EEE 3307C Electronics I 4 hrs

Select 1: 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3338 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Spring
- COP 4331C Processes for Object-Oriented Software Development 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Restricted Elective 3 hrs
- Restricted 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
- COP 4600 Operating Systems 3 hrs
- EEL 4915L Senior Design II 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- COP 4600 Operating Systems 3 hrs
- EEL 4915L Senior Design II 3 hrs
- EEL 4781 Computer Communication Networks 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.oelas.ucf.edu/alcacademic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $42 per term
- Full-Time Student: $84 per term
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  
Julie Faris  
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
■ 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
■ 18 of the 24 Residency hours must be at the 4000-5000 level
■ 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 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 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 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 2048C 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.
COP 323C Introduction to Programming with C 3 hrs
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
Select 2: 6 hrs
■ 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 4 hrs
CHM 2046 Chemistry Fundamentals II or 3 hrs
PHY 3101 General Physics Using Calculus III 3 hrs

3. Core Requirements: Basic Level (24 hrs)
■ A “C” (2.0) or better is required in all courses in this area.
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
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 (21 hrs)
■ 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 courses.
COP 4331C Processes for Object-Oriented Software Development 3 hrs
EEL 4768 Computer Architecture 3 hrs
COT 4210 Discrete Structures II 3 hrs
COP 4020 Programming Languages I 3 hrs
COP 4600 Operating Systems 3 hrs
COP 4934 Senior Design I 3 hrs
COP 4935 Senior Design II 3 hrs

5. Restricted Electives (15 hrs)
■ A “C” (2.0) or better is required in all courses in this area.

4000-5000 level Computer Science courses 9 hrs
■ At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).
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, 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
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
   ■ Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science. This requirement is waived for second degree seeking students.

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 Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Computer Engineering
■ Information Technology

Certificates
■ None

Related Minors
■ Information Technology
■ Intelligent Robotic Systems (IRS) - Interdisciplinary
■ Interdisciplinary Informatics Technology

Advising Notes
■ The Computer Science 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 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 13 hrs
ENC 1101 Composition I 3 hrs
SPC 1603C 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 - Spring 12 hrs
ENC 1102 Composition II 3 hrs
COT 3100C Introduction to Discrete Structures 3 hrs
COP 3502C Computer Science I 3 hrs
CDA 3103C Computer Logic and Organization 3 hrs
COT 3960 CS Foundation Exam 0 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 3542 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

Select 1: 3 hrs
ENC 3241 Writing for the Technical Professional or ENC 3250 Professional Writing 3 hrs

Sophomore Year - Summer 6 hrs
STA 2023 Statistical Methods I 3 hrs
GEP 3 hrs

Junior Year - Fall 13 hrs
EEL 4768 Computer Architecture 3 hrs
COP 4220 Programming Languages I 3 hrs
BSC 2010C Biology I 4 hrs
GEP 3 hrs

Junior Year - Spring 13 hrs
COP 4600 Operating Systems 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
Math/Stat Restricted Elective 3 hrs
CS Restricted Elective 3 hrs

Junior Year - Summer 3 hrs
COT 4210 Discrete Structures II 3 hrs

Senior Year - Fall 16 hrs
CS Restricted Elective 3 hrs
GEP 3 hrs
Free Elective 4 hrs
COP 4934 Senior Design I 3 hrs
Multicultural Elective 3 hrs

Senior Year - Spring 12 hrs
CS Restricted Elective 3 hrs
GEP 3 hrs
Math/Stat Restricted Elective 3 hrs
COP 4935 Senior Design 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: $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
Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Amr A. Oloufa, amr.oulofa@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.

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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.
- 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 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 class from Social Foundation Group 1 3 hrs

C: Mathematical Foundations (7 hrs)

- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3023 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 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
- 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 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 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)

- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331C Mechanics of Materials 3 hrs
- STA 3023 Probability and Statistics for Engineers GEP
- EGN 3613 Engineering Economic Analysis 2 hrs
- ENV 3001 Environmental Engineering 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CCC 4034 Construction Estimating and Scheduling 3 hrs
- CCE 4183 Mechanical and Electrical Systems for Buildings 4 hrs
- CCE 4402 Construction Equipment and Productivity 3 hrs
- CCE 4504 Construction Methods 3 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- CEG 3501C Civil Engineering Materials 3 hrs
- CEG 3700C Civil Engineering Measurements 2 hrs
- ACY 2071 Principles of Managerial Accounting 3 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CGN 3405 Applied Numerical Methods for Civil Engineering 3 hrs
- CWR 2020C 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 Web site and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

- Required Senior Design Courses
  - CCE 4810C Construction Design Project 3 hrs
  - 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.

Graduation

- None

8. Electives

- None
UCF Degree Programs

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
- None

Environmental Engineering
- None

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
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3613 Engineering Economic Analysis 2 hrs

Sophomore Year - Fall
- 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 - Spring
- MAP 2302 Ordinary Differential Equations I 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- CGN 3405 Applied Numerical Methods for Civil Engineering 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 4613 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 CECE 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.cohpa.ucf.edu/crim.jus/
Email: cj advise@mail.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.
- 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 minimum 2.0 overall GPA in the core requirements and the restricted electives.

Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (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 (21 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   CCJ 3024 Criminal Justice System 3 hrs
   CCJ 3014 Crime in America 3 hrs
   CJL 3510 Prosecution and Adjudication 3 hrs
   CJC 3010 Corrections and Penology 3 hrs
   CJE 4014 Police and Society 3 hrs
   CCJ 4701 Research Methods in Criminal Justice 3 hrs
   CCJ 4746 Data Analysis for Criminal Justice 3 hrs

5. Restricted Electives (39 hrs)
   27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   12 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 12 hours from a completed minor in another program approved by the department.

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
   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 12 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

Related Minors
Legal Studies
Public Administration
Psychology

Advising Notes
None

Transfer Notes
“D” (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses
None

Plan of Study
Freshman Year - Fall 14 hrs
   ENC 1101 Composition I 3 hrs
   CJE 3001 Optional Replacement for PAF 2102 2 hrs
   GEP Math 3 hrs
   GEP Social 3 hrs
   GEP Historical 3 hrs
   1 CJE 3001 Optional Replacement for PAF 2102

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
   GEP Communication 3 hrs
   CCJ 3014 Crime in America 3 hrs
   GEH Historical 3 hrs
   Science 3 hrs
   Free Elective 3 hrs
   1 CJE 3001 Optional Replacement for PAF 2102

Sophomore Year - Fall 15 hrs
   GEP Communication 3 hrs
   CCJ 3024 Criminal Justice System 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs
   Supporting Elective 3 hrs
   CJL 3510 Prosecution and Adjudication 3 hrs

Sophomore Year - Spring 15 hrs
   CCJ 3024 Criminal Justice System 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs
   Supporting Elective 3 hrs
   CCJ 4701 Research Methods in Criminal Justice 3 hrs
   CJ Elective 3 hrs

Junior Year - Fall 15 hrs
   CJE 3010 Corrections and Penology 3 hrs
   Restricted Elective 3 hrs
   Supporting Elective 3 hrs
   CCJ 4746 Data Analysis for Criminal Justice 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs
   Supporting Elective 3 hrs

Junior Year - Spring 15 hrs
   CJE 4014 Police and Society 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs
   Supporting Elective 3 hrs

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Senior Year - Fall
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 6 hrs

Senior Year - Spring
- Free Elective 3 hrs
- Supporting Elective 3 hrs
- Restricted Elective or CCJ Internship 6 hrs

1 Free Elective

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

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
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@ucf.edu
Cory Watkins, UG Program Coordinator
Phone: 407-823-2603

Admission Requirements
- An application is required. Minimum overall GPA of 3.0 for Admission.
- Applicant must declare this specific track.
- A grade of “B” (3.0) or better in ENC 1101 and ENC 1102 is required.
- Writing sample may be required if above requirement is not met.

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.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (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 (33 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - CCJ 3014 Crime in America 3 hrs
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 3010 Corrections and Penology 3 hrs
   - CJ 3510 Prosecution and Adjudication 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs
   - CCJ 4746 Data Analysis for Criminal Justice 3 hrs

Scholar’s Seminar 12 hrs
- Students accepted into CJ Scholar’s Track will take CCJ 4934 four times with different topics for a total of 12 hours.
- CCJ 4934 Emergent Criminal Justice Issues 3 hrs

5. Restricted Electives (27 hrs)
   - 15 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of Program standards must be met to be eligible for either internship or independent study credit.
   - 12 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 included selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by using 12 hours from a completed minor in another program approved by the department.

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
- 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 12 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
- 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.

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
- Public Administration

Certificates
- Crime Analysis and Crime Mapping
- Criminal Profiling
- Security Management
- Crime Scene Investigation
- Victim Advocacy
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. Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) 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 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)

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 one additional course from approved list 3 hrs

C: Mathematical Foundations (7 hrs)

Required  COP 2500C Concepts in Computer Science 4 hrs  
1 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

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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 Casual Game Production and 3 hrs
- FIL 3720C Introduction to Animation and 3 hrs
- GRA 2151C Illustration 3 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 and 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
- Entrepreneurship and
- 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 and DIG 4713 Game Design 3 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
- None

Related Programs
- Art
- Computer Science
- English - Creative Writing
- English - Literature
- English - Technical Communication
- Film - Cinema Studies Track
- Music

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
- svadadvising@ucf.edu

Transfer 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

Plan of Study
- None

Game Design

Freshman Year - Fall
- ART 2201C Design Fundamentals - Two Dimensional 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
- 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
- GEP Social Foundation 3 hrs

Freshman Year - Summer
- GEP Science Foundation 3 hrs
- GEP Science Foundation 3 hrs

Sophomore Year - Fall
- ART 2201C Design Fundamentals - Two 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
- GEP Communication Foundation 3 hrs

Sophomore Year - Spring
- ART 2201C Design Fundamentals - Two Dimensional 3 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

Junior Year - Fall
- COP 3223C Introduction to Programming with C 3 hrs
- DIG 4830C Media Business Practices 3 hrs
- GRA 2151C Game Design 3 hrs
- GRA 2151C Illustration 3 hrs

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Junior Year - Spring 12 hrs
COP 3330 Object Oriented Programming 3 hrs
DIG 4715C Game Production 3 hrs
DIG 4720C Casual Game Production 3 hrs
FIL 3720C Introduction to Animation 3 hrs

Senior Year - Fall 16 hrs
DIG 4725C Game Design Workshop 3 hrs
Foreign Language Elementary Level I 4 hrs
Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
DIG 4725C Game Design Workshop 3 hrs
Foreign Language Elementary Level II 4 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Web 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

Sophomore Year - Fall 15 hrs
ART 2201G Design Fundamentals, Two 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
GEP Communication Foundation 3 hrs

Sophomore Year - Spring 15 hrs
ART 2300C Drawing Fundamentals I 3 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

Junior Year - Fall 13 hrs
DIG 3563 Information Management and Entrepreneurship 3 hrs
DIG 4630C Media Business Practices 3 hrs
Foreign Language Elementary Level I 4 hrs
Restricted Elective 3 hrs

Junior Year - Spring 13 hrs
DIG 3134 Media Software Design 3 hrs
DIG 3716C Internet Interaction 3 hrs
DIG 3811 User-Centered Design 3 hrs
Foreign Language Elementary Level II 4 hrs

Senior Year - Fall 15 hrs
DIG 4104C Web Design Workshop 3 hrs
DIG 4530C Media for e-Commerce 3 hrs
GRA 3903C Intermediate Computer Graphic Design 3 hrs
Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
DIG 4104C Web Design Workshop 3 hrs
DIG 4503 Rapid Application Web Development 3 hrs
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.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $16.50 per term
- Full-Time Student: $33 per term

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/
Email: ece@mail.ucf.edu
Dr. Judy Levin, ED 222L, Judith.levin@ucf.edu
Phone: 407-823-4615

EDUCATION: PRE-KINDERTAGEN-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) 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) are required prior to entry into Internship.
UCF Degree Programs

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:
     Prefer: MUL 2010 Enjoyment of Music or 3 hrs
     Prefer: PHI 2010 Introduction to Philosophy or 3 hrs
     Prefer: THE 2000 Theatre Survey 3 hrs
     General Education Program elective: Prefer a second course from GEP section B1
   - C: Mathematical Foundations (6 hrs)
     Select 1: 3 hrs
     Prefer: STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
     Prefer: STA 2014C Principles of Statistics 3 hrs
     Select 1: 3 hrs
     Suggested: MGF 1106 Finite Mathematics or 3 hrs
     Suggested: MGF 1107 Explorations in Mathematics 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) (9 hrs)
     See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
     EDF 2005 Introduction to the Teaching Profession 3 hrs
     1 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
     1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
     EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
     Select 1: 3 hrs
     MAC 1105C College Algebra or 3 hrs
     MAE 2801 Elementary School Mathematics 4 hrs
     Select 1: 3 hrs
     ARE 2000 Early Childhood Art and Creativity or 3 hrs
     MUE 2211 Early Childhood Music and Movement Elective 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
  - EEX 4751 Parent Involvement in Education 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
  - EEC 4268 Curriculum Activities in Early Childhood 3 hrs

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 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
  - 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 4303 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.
  - 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 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/.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and 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
- **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
- **EDF 2005** Introduction to the Diversity for Educators 3 hrs
- **ENC 1102** Composition II 3 hrs
- **MAC 1105C** College Algebra 3 hrs
- **PSC 1121** Physical Science 3 hrs

### Select 1:
- **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
- **POS 2041** American National Government 3 hrs

### Select 1:
- **ARE 2000** Early Childhood Art and Creativity or 3 hrs
- **MUE 2211** Early Childhood Music and Movement 3 hrs

### Sophomore Year - Fall
- **SPC 1608** Fundamentals of Oral Communication 3 hrs
- **EME 2040** Introduction to Technology for Educators 3 hrs

### Select 1:
- **BSC 1005** Biological Principles or 3 hrs
- **ANT 2311** The Human Species 3 hrs

### Select 1:
- **STA 2141C** Principles of Statistics or 3 hrs
- **STA 1063C** Basic Statistics Using Microsoft Excel 3 hrs
- **GEP B1 Elective** 3 hrs

### Sophomore Year - Spring
- **EDF 2130** Child and Adolescent Development for Educators 3 hrs
- **EEC 2732** Health, Safety, and Nutrition for Young Children 3 hrs
- **GEP B3 Elective (prefer course from section B1)** 3 hrs

### Junior Year - Fall
- **EEC 3700** Social and Emotional Development of Young Children 3 hrs
- **EEC 4661** Early Childhood Education Theory and Practice 3 hrs
- **EEX 4751** Parent Involvement in Education 3 hrs
- **TSL 4080** Theory and Practice of Teaching ESL Students in Schools 3 hrs
- **ECC 4268** Curriculum Activities in Early Childhood 3 hrs

### Junior Year - Spring
- **EEC 4204** 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

### Junior Year - Summer
- **EEC 4303** Planning Creative Activities in Early Childhood Education 3 hrs
- **RED 3012** Basic Foundations of Reading 3 hrs

### Senior Year - Fall
- **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
- **ECC 4235C** Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs

### Senior Year - Spring
- **EEC 4943** Student Teaching 12 hrs

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UCF Degree Programs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/aic/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
Prefer MUL 2010 Enjoyment of Music or 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 to meet Gordon Rule Requirement.

B: Cultural & Historical Foundations (9 hrs)
General Education Program elective from section B2: 3 hrs
Prefer MUL 2010 Enjoyment of Music or 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 to meet Gordon Rule Requirement.
General Education Program elective: Prefer a second course from GEP section B1. 3 hrs

C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
Prefer MGF 1106 Finite Mathematics or 3 hrs
Prefer MGF 1107 Explorations in Mathematics 3 hrs
Select 1: 3 hrs
Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
Select 2: 3 hrs
Prefer PSY 2012 General Psychology 3 hrs
Prefer POS 2041 American National Government 3 hrs
Prefer PSC 1121 Social Problems 3 hrs
Prefer BSC 1005 Biological Principles 3 hrs
Prefer MUE 2211 Early Childhood Music and Movement 3 hrs
Prefer ARE 2000 Early Childhood Art and Creativity 3 hrs
Prefer SYG 2010 Social Problems 3 hrs
Prefer EEE 2732 Health, Safety, and Nutrition for Young Children 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

2. Common Program Prerequisites (CPP) (6 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
EDE 2085 Introduction to Diversity for Educators 3 hrs
DEP 2004 Developmental Psychology 3 hrs

3. Core Requirements: Basic Level (18 hrs)
MUE 2211 Early Childhood Music and Movement 3 hrs
ARE 2000 Early Childhood Art and Creativity 3 hrs
SYG 2010 Social Problems 3 hrs
EEE 2732 Health, Safety, and Nutrition for Young Children 3 hrs
EEC 3008 Early Childhood Children’s Literature 3 hrs
Select 6 hours of Restricted Electives with advisor approval. Students interested in a career as a Child Life Specialist must select SOW 3104 as one of their electives.

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
EEE 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
■ Note: Students must consult with their advisor regarding approval for other 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 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
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.

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
- EDF 2085 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
- 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

Sophomore Year - Fall
- Select 1: 3 hrs
  - MUL 2010 Enjoyment of Music or
  - PHI 2010 Introduction to Philosophy or
  - THE 2000 Theatre Survey

Sophomore Year - Spring
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

Junior Year - Fall
- EEC 3613 Observation and Assessment of Young Children 3 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs

Junior Year - Spring
- 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

Graduation Requirements
- A 2.0 UCF GPA

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
- EDF 2085 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
- 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

Sophomore Year - Fall
- Select 1: 3 hrs
  - MUL 2010 Enjoyment of Music or
  - PHI 2010 Introduction to Philosophy or
  - THE 2000 Theatre Survey

Sophomore Year - Spring
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

Junior Year - Fall
- EEC 3613 Observation and Assessment of Young Children 3 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs

Junior Year - Spring
- 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

Graduation Requirements
- A 2.0 UCF GPA
UCF Degree Programs

Junior Year - Summer
EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
EEC 4528 Infant/Toddler Care and Education 3 hrs

Senior Year - Fall
PET 4050C Motor Development and Learning 3 hrs
Select Three Early Childhood Development Track Electives 9 hrs

Senior Year - Spring
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.oaes.ucf.edu/aie/academic_learning_compacts.htm

Early Childhood Development and Education Track
3: Early Childhood Careers (B.S.)
College of Education and Human Performance
Department of Child, Family and Community Sciences, Education Complex, Room: 209

Dr. Dierdre Englehart, Deirdre.Englehart@ucf.edu

TRACK 3: EARLY CHILDHOOD CAREERS is an A.S. to B.S. degree program that is available to Seminole State College (SSC) students who have earned an A.S. in Early Childhood. The Early Childhood Careers Track is offered only on the Lake Mary-Sanford UCF Campus. This track provides the opportunity for SSC students to continue their professional preparation by enrolling in Track 3: Early Childhood Careers. Track 3 is restricted to students meeting UCF and the Early Childhood Careers Track Admission Requirements. Students will take a variety of courses related to early childhood careers and the roles professionals serve in furthering quality early childhood programming. Students will be prepared to work with infants, children and families in diverse early childhood settings. The program will prepare students with a solid knowledge base in the overall development of children that meets the educational requirements for staff at Head Start and Early Learning Centers. 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. NOTE: The Track 3: Early Childhood Careers in the Early Childhood Development and Education B.S. degree program does not lead to teacher certification.

Admission Requirements

- Completion of the A.S. degree in Early Childhood Education at Seminole State College
- Have a minimum 2.50 overall GPA for admission to the program. A minimum GPA of 2.75 is required in the professional and overall GPA prior to admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.
- Complete Core Requirements: Basic Level 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 with the Early Childhood Careers faculty at the Lake Mary-Sanford UCF Campus 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 GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

Select 1:

1. UCF General Education Program (GEP) (36 hrs)
   - Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students are advised to take the preferred courses.
   - The 30 credit hours of the GEP must be completed prior to admission into Track 3: Early Childhood Careers.

   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

   C: Mathematical Foundations (6 hrs)
   - Select 1: 3 hrs
   - Prefer MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs

   D: Social Foundations (6 hrs)
   - Select 1: 3 hrs
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

   E: Science Foundations (6 hrs)
   - Select 1: 3 hrs
   - Prefer ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level (18 hrs)
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - MUE 2211 Early Childhood Music and Movement 3 hrs
   - ARE 2000 Early Childhood Art and Creativity 3 hrs
   - SYG 2010 Social Problems 3 hrs
   - EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs

   Select 1:
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - DEP 2004 Developmental Psychology 3 hrs

4. Core Requirements: Advanced Level (51 hrs)
   - All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) in each upper level major course in order to pass the course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

   EEC 3008 Early Childhood Children’s Literature 3 hrs
   EEC 3450 Young Children With Special Needs 3 hrs
   EEC 3613 Observation and Assessment of Young Children 3 hrs
   EEC 4402 Cultural and Family Systems 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
5. Restricted Electives  (9 hrs)
   - Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students who have completed the GEP will meet with the program faculty advisor to select restricted electives.
   - 3 semester hours of restricted elective credit must be 3000 level or higher and approved by program faculty advisor.

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 GPA of 2.75 for all courses within the major.
    - All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or higher in each upper level major course in order to meet program requirements.
    - Complete a LiveText portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.

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

UCF Degree Programs

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. The State University System requires that students complete two years of the same foreign language/American Sign Language in high school, or two semesters (8-10 credit hours) of college level foreign language/American Sign Language, or equivalent proficiency exam. Students admitted without meeting this requirement must meet it prior to graduation.

Transfer Notes
- Courses taken at Florida College System institutions may substitute for select courses in Core Requirements: Basic Level with the permission of the department.
- Restricted Electives: Electives must be selected with the approval of program faculty. Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students who have completed the GEP will meet with the program faculty advisor to select restricted electives.

Acceptable Substitutes for Transfer Courses
- EEC 1000 substitutes for EDF 2130 or DEP 2004C

Plan of Study
- (60 hrs)
- Assuming general education and admission requirements for Track 3: Early Childhood Careers are complete
- Follow the recommended Plan of Study

Junior Year - Fall
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- Restrictive Elective with Advisor approval 3 hrs

Junior Year - Spring
- EEC 3008 Early Childhood Children’s Literature 3 hrs
- EEC 3450 Young Children With Special Needs 3 hrs
- EEC 3613 Observation and Assessment of Young Children 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs
- Restricted Elective with Advisor approval 3 hrs

Junior Year - Summer
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4528 Infant/Toddler Care and Education 3 hrs

Senior Year - Fall
- EEC 4414 Parent-Child Relations 3 hrs
- EEC 4211 Science and Math Learning for Young Children 3 hrs
- EEC 4260 Early Childhood Program Evaluation 3 hrs
- EEC 4314 Effective Practices for Guiding Young Children’s Behavior 3 hrs

Senior Year - Spring
- Restricted Elective (3/4XXX level with Advisor approval) 3 hrs
- EEC 4942 Practicum: Early Childhood Careers 9 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
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)
   - Required: SPC 1608 Fundamentals of Oral Communication
   - Select one:
     - Required: ECN 2013 Principles of Microeconomics
     - Required: ECO 2023 Principles of Microeconomics

2. Social Foundations (6 hrs)
   - Required: STA 2023 Statistical Methods I
   - Required: MAC 2233 College Algebra
   - Select one:
     - Suggested: ANT 2000 General Anthropology or
     - Suggested: PSY 2012 General Psychology or
     - Suggested: SYG 2000 Introduction to Sociology

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (12 hrs)
   - ECO 3101 Intermediate Microeconomics
   - ECO 3203 Intermediate Macroeconomics
   - Select one of the following sequences of courses:
     - ECO 3401 Quantitative Business Tools I
     - or
     - STA 2233 Concepts of Calculus and
     - STA 2023 Statistical Methods I
     - Students must receive a "C" (2.0) or better in MAC 2233
     - and STA 2023 to be waived from ECO 3401

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 3223 Money and Banking
     - ECO 3410 Mathematical Economics
     - ECO 3703 International Microeconomics
     - ECO 4303 History of Economic Thought
     - ECO 4412 Econometrics
     - ECO 4504 Public Economics
     - ECO 4713 International Macroeconomics
     - ECO 4751 Law and Economics
     - ECO 4934 Topics in Econometrics
     - 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
     - ECP 4530 Health Economics
     - ECO 4400 Game Theory and Economics

6. Capstone Requirements (1 hr)
   - ECO 4902 Capstone in Economics

7. Foreign Language Requirements
   - 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
## UCF Degree Programs

### Economics, Business (B.S.B.A.)

**College of Business Administration**

**Department of Economics,**

**Business Administration II,** Room: 305

http://business.ucf.edu/undergraduate-programs

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 59 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- 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-admission 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 3411 Quantitative Business Tools II 3 hrs

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

- Prefer SPC 160B Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Required MAC 1105C College Algebra 3 hrs

C: Mathematical Foundations (6 hrs)

- Required MAC 2233 Concepts of Calculus and

D: Social Foundations (6 hrs)

- Select 1: 3 hrs
  - Prefer ECO 2013 Principles of Macroeconomics 3 hrs
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs

- Select 1: 3 hrs
  - Suggested ANT 2000 General Anthropology or
  - Suggested PSY 2012 General Psychology or
  - Suggested 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
- 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

1. MAC 2233 Concepts of Calculus and
2. STA 2023 Statistical Methods I 3 hrs

1 or MAC 2311 and MAC 2312

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level (34 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 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 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4004 Executing Your Career Plan 1 hr

Required Major Courses

- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

5. 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 3 hrs
  - ECO 3410 Mathematical Economics 3 hrs
  - ECO 3703 International Microeconomics 3 hrs
  - ECO 4303 History of Economic Thought 3 hrs
  - ECO 4412 Econometrics 3 hrs
  - ECO 4504 Public Economics 3 hrs
  - ECO 4713 International Macroeconomics 3 hrs
  - ECO 4751 Law and Economics 3 hrs
  - ECP 3304 Seminar on Current Economic Topics 3 hrs
  - ECP 3203 Labor Economics 3 hrs
  - ECP 4303 Environmental and Natural Resource Economics 3 hrs
  - ECP 4403 Industrial Organization 3 hrs
  - ECS 4913 Development Economics 3 hrs
  - ECO 4934 Topics in Econometrics 3 hrs
  - ECP 4530 Health Economics 3 hrs
  - ECO 4400 Game Theory and Economics 3 hrs

Business Elective

- 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 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECP 4303 Industrial Organization 3 hrs
- ECO 4934 Topics in Econometrics 3 hrs
- ECO 4400 Game Theory and Economics 3 hrs

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 1 hr
- 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

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
Advisor 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 59 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

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
AGC 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
AGC 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

Junior Year - Fall 16 hrs
AGC 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

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: $15 per term
- Full-Time Student: $30 per term

Electrical Engineering (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
Charles 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...
## UCF Degree Programs

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.

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
<th>Required ENC 1101 Composition I 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required ENC 1102 Composition II 3 hrs</td>
</tr>
<tr>
<td>Select 1: 3 hrs</td>
<td>Prefer SPC 1603C Fundamentals of Technical Presentations or 3 hrs</td>
</tr>
<tr>
<td></td>
<td>Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select two courses from Historical Foundations 6 hrs</td>
</tr>
<tr>
<td>Select one class from Cultural Foundations 3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (7 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Required MAC 2311C Calculus with Analytic Geometry I 4 hrs</td>
</tr>
<tr>
<td>Required STA 3032 Probability and Statistics for Engineers 3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations (6 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Select 1: 3 hrs</td>
</tr>
<tr>
<td>Prefer ECO 2013 Principles of Macroeconomics or 3 hrs</td>
</tr>
<tr>
<td>Prefer ECO 2023 Principles of Microeconomics 3 hrs</td>
</tr>
<tr>
<td>Select one class from Social Foundations 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations (7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required PHY 2046C General Physics Using Calculus I 4 hrs</td>
</tr>
<tr>
<td>Select one course from Science Foundations 3 hrs</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>MAC 2311C Calculus with Analytic Geometry I</th>
<th>GEP</th>
</tr>
</thead>
<tbody>
<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>PHY 2048C General Physics Using Calculus I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C General Physics Using Calculus II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302 Ordinary Differential Equations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

| Select 1: 4 hrs |
| CHS 1440 Principles of Chemistry | 4 hrs |
| 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 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)

<table>
<thead>
<tr>
<th>Courses Required for the Engineering Core (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310 Engineering Analysis-Statics 3 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers GEP 3 hrs</td>
</tr>
<tr>
<td>PHY 3101 General Physics Using Calculus III 3 hrs</td>
</tr>
</tbody>
</table>

| Select 1: 3 hrs |
| EGN 3321 Engineering Analysis-Dynamics or 3 hrs |
| EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs |

<table>
<thead>
<tr>
<th>Courses Required for the Major (44 hrs)</th>
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</thead>
<tbody>
<tr>
<td>EEL 3004C Electrical Networks 3 hrs</td>
</tr>
<tr>
<td>EEL 3124C Networks and Systems 4 hrs</td>
</tr>
<tr>
<td>EEE 3350 Semiconductor Devices I 3 hrs</td>
</tr>
<tr>
<td>EEE 3307C Electronics I 4 hrs</td>
</tr>
<tr>
<td>EEE 3342C Digital Systems 3 hrs</td>
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<tr>
<td>EEL 3470 Electromagnetic Fields 3 hrs</td>
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<tr>
<td>EEL 3522C Analog and Digital Communication 4 hrs</td>
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<tr>
<td>EEL 3657 Linear Control Systems 3 hrs</td>
</tr>
<tr>
<td>EEL 3801C Computer Organization 3 hrs</td>
</tr>
<tr>
<td>EEE 4306C Electronics II 4 hrs</td>
</tr>
<tr>
<td>EEL 4750 Digital Signal Processing Fundamentals 3 hrs</td>
</tr>
<tr>
<td>EEL 4742C Embedded Systems 4 hrs</td>
</tr>
<tr>
<td>EGN 3211 Engineering Analysis and Computation 3 hrs</td>
</tr>
</tbody>
</table>

1 A “C” (2.0) or better is required in this course.

### 5. Restricted Electives (10 hrs)

- Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communication, and photonics. 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.

### 6. Capstone Requirements (6 hrs)

<table>
<thead>
<tr>
<th>Courses Required</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4914 Senior Design I 3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEL 4915L Senior Design II 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### 7. Foreign Language Requirements

#### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### 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 EECS 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

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, 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 - 3 hrs
- 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 or
- CHM 2045C: Chemistry Fundamentals I - 4 hrs

Freshman Year - Spring
- EGN 1007C: Engineering Concepts and Methods - 1 hr
- MAC 2311C: Calculus with Analytic Geometry I - 4 hrs
- ENC 1101: Composition I - 3 hrs

Select 1: 3 hrs
- ECO 2013: Principles of Macroeconomics or
- ECO 2023: Principles of Microeconomics - 3 hrs

Sophomore Year - Fall
- ENC 1102: Composition II - 3 hrs
- PHY 2049C: General Physics Using Calculus II - 4 hrs
- EGN 3310: Engineering Analysis-Statics - 3 hrs
- MAC 2313: Calculus with Analytic Geometry III - 4 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
- EGN 3211: Engineering Analysis and Computation - 3 hrs
- EEL 3123C: Networks and Systems - 4 hrs
- GEP: Social Foundation - 3 hrs

Junior Year - Fall
- EEE 3350: Semiconductor Devices I - 3 hrs
- EEL 3552C: Analog and Digital Communication Fundamentals - 4 hrs
- EEL 3801C: Computer Organization - 3 hrs
- GEP: Science Foundation - 3 hrs

Junior Year - Spring
- EEE 3307C: Electronics I - 4 hrs
- EEL 3657: Linear Control Systems - 3 hrs
- EEL 4742C: Embedded Systems - 4 hrs
- STA 3032: Probability and Statistics for Engineers - 3 hrs

Select 1: 3 hrs
- EGN 3321: Engineering Analysis-Dynamics or
- EGN 3358: Thermo-Fluids-Heat Transfer - 3 hrs

Senior Year - Fall
- EEL 4915L: Senior Design II - 3 hrs
- EGE 4309C: Electronics II - 4 hrs
- Approved Technical Elective - 3 hrs
- Approved Technical Elective - 3 hrs

Senior Year - Spring
- EEL 4914: Senior Design I - 3 hrs
- EEL 4915L: Senior Design II - 3 hrs
- EGE 4309C: Electronics II - 4 hrs
- Approved Technical Elective - 3 hrs
- Approved 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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Elementary Education (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Complex, Room: 209
http://education.ucf.edu/eledem/
Dr. Michele Gill, michele.gill@ucf.edu, 407-823-1771

The Elementary Education program offers students the option of two tracks: Elementary Education - Education track (K-6) 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).

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).
UCF Degree Programs

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
- chosen 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
- 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 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2044C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Suggested BSC 1005L 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 2005 Introduction to the Teaching Profession 3 hrs
- EDU 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Lower Division Electives 7 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) * One associated science lab (BSC 1005L or PSC 1121L) * 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 5 hrs
- EDG 2994 Experiential Learning in Education 2 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.
- Both Education Track and Lifelong Learning Track majors are required to complete the Advanced Level courses listed under: Semester I, Semester II and Summer.
- Students must complete the Advanced Level courses required for their selected track (Education Track or Lifelong Learning Track) Semester III and Semester IV.

Semester I 15 hrs
- EDS 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 4093 Theory of Teaching ESOL Students in Schools 3 hrs

- Required prior to Internship I

Semester II 15 hrs
- EDF 4603 Teaching Science in Elementary School 3 hrs
- SRL 3310 Teaching Social Science in the Elementary School 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs
- RED 4659 Diagnostic and Corrective Reading 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs

- Required prior to Internship I

Summer 6 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 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: EDS 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4093 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: EDS 4410, RED 3012, TSL 4080, MAE 2801
B. Education Track: Semester IV (Internship II) 12 hrs
   - Passing scores on all sections [General Knowledge, Professional, and Subject Area (Elementary Education K-6)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
   - All methods/specialization/foundations courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
   - Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
   - Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
   - EDE 4943 Internship II (Elementary) 12 hrs

C. Lifelong Learning Track Specialization 21 hrs
   - 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.
   - Three (3) hours of Lifelong Learning Specialization coursework should be completed prior to your Sophomore year. Refer to the Plan of Study for the recommended sequence of courses.
   - Eighteen (18) hours of Lifelong Learning Specialization coursework should be completed during Semester III and Semester IV of your Senior Year.

- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- 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
- 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 2350 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

D. Lifelong Learning Track: Semester III 12 hrs
   - EDG 4949 Experiential Learning in Education 3 hrs
   - Choose Lifelong Learning Specialization courses 6 hrs

E. Lifelong Learning Track: Semester IV 12 hrs
   - Choose Lifelong Learning Specialization courses 12 hrs

F. 5. Restricted Electives
   - None

G. 6. Capstone Requirements
   - None

H. 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.)

I. Graduation
   - None

J. 8. Electives
   - None

K. 9. Additional Requirements
   - None

L. 10. Required Minors
   - None

M. 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/.

N. Education Track
   - Complete a TESOL notebook as required for ESOL Endorsement.
   - Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. 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)

O. 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.

P. Total Semester Hours Required
   - 120

Q. Honors In Major
   - None
UCF Degree Programs

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
  - EME 2040 Introduction to Technology for Educators 3 hrs
  - ENC 1101 Composition I 3 hrs
  - Select 1:
    - MUL 2100 Enjoyment of Music or 3 hrs
    - THE 2000 Theatre Survey or 3 hrs
    - PHI 2100 Introduction to Philosophy 3 hrs

Education Track
- 3 hrs
  - MAC 1105C College Algebra 3 hrs

Lifelong Learning Track
- 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 - Spring
- 12 hrs
  - Education Track requires 13 hours
  - Lifelong Learning Track requires 12 hours
    - 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

Education Track
- 3 hrs
  - ENC 1102 Composition II 3 hrs
  - PSY 2102 General Psychology 3 hrs
  - PSC 1121 Physical Science 3 hrs

Lifelong Learning Track
- 1 hr
  - PSC 1121L Physical Science Lab 1 hr

Freshman Year - Summer
- 6 hrs
  - POS 2041 American National Government 3 hrs

Education Track
- 3 hrs
  - MGF 1106 Finite Mathematics 3 hrs

Lifelong Learning Track
- 3 hrs
  - Choose Lifelong Learning Specialization course

Sophomore Year - Fall
- 15 hrs
  - GEP B1 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

Education Track
- 3 hrs
  - ARH 2050 History of Western Art I 3 hrs

Lifelong Learning Track
- 3 hrs
  - MHS 2330 Career Planning 3 hrs

Sophomore Year - Spring
- 14 hrs
  - Education Track requires 14 hours
  - Lifelong Learning Track requires 15 hours
    - 1 GEP B3 Elective ( Prefer course from section B1) 3 hrs
    - MAE 2801 Elementary School Mathematics 4 hrs
    - STA 2014C Principles of Statistics 3 hrs
    - EDF 2085 Introduction to Diversity for Educators 3 hrs

Education Track
- 1 hr
  - 1 PET 2081 Wellness, Children and Schools 1 hr

Lifelong Learning Track
- 2 hrs
  - EDF 2949 Experiential Learning in Education 2 hrs

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Fall
- 15 hrs
  - Coursework required for Education Track and Lifelong Learning Track
    - EDF 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 ESOL Students in Schools 3 hrs

Junior Year - Spring
- 15 hrs
  - Coursework required for Education Track and Lifelong Learning Track
    - RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
    - SCC 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
    - EDF 4467 Learning Theory and Assessment 3 hrs

Junior Year - Summer
- 6 hrs
  - Coursework required for Education Track and Lifelong Learning Track
    - 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
- 12 hrs
  - EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs

Education Track
- 9 hrs
  - MAE 4326 How Children Learn Mathematics and
  - RED 4942 Practicum for Assessment and Instruction of Reading and
  - EDE 3942 Internship I 3 hrs

Lifelong Learning Track
- 9 hrs
  - EDF 4949 Experiential Learning in Education and
  - Choose Lifelong Learning Specialization courses 6 hrs

Senior Year - Spring
- 12 hrs
  - EDE 4943 Internship II (Elementary) 12 hrs

Lifelong Learning Track
- 12 hrs
  - 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.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $6 per term
- Full-Time Student: $12 per term

English - Creative Writing (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 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
- ENC 1102 Composition II 3 hrs
- Prefer SP 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations

- Prefer LIT 2110 World Literature I 3 hrs
- Prefer LIT 2120 World Literature II 3 hrs
- Select one class from B.1 list 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

2. Common Program Prerequisites (CPP) (6 hrs)

- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP

1 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 3013 Creative Writing for English Majors 3 hrs
- CRW 3053 Theory and Practice of Creative Writing 3 hrs

1 This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (12 hrs)

- Literary History Requirement
- Choose four courses total from these two groupings

Select at least one of these pre-1865 literature courses.

Select at least one of these post-1865 literature courses.

Select 1:

- Each semester, additional courses may satisfy this requirement. Check with an advisor for details.
- AML 3041 American Literature I 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 4285 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 4233 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 4323 Hispanic Women Writers or 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: 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 or 3 hrs

b. Choose two of the following: 6 hrs

- Select 2: 6 hrs

Select 2:

- CRW 4122 Advanced Fiction Writing Workshop or 3 hrs
- CRW 4224 Advanced Nonfiction Writing Workshop or 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop or 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop or 3 hrs

1 May take ENC 4360 Nature Writing instead of CRW 4224 but not both.

C. Choose one of the following: 3 hrs

- Select 1: 3 hrs

Select 1:

- CRW 3311 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 4724 The Florida Review or 3 hrs
- CRW 4914 The Writing Life or 3 hrs
- CRW 4722 Editing for Creative Writers or 3 hrs

any other CRW elective or Special Topics course or 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
UCF Degree Programs

10. Required Minors
   - None

11. Departmental Exit Requirements
   - Maintain and achieve a minimum GPA of 2.0 in all courses used towards the major.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

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.

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
   - ENC 1101 Composition I 3 hrs
   - HUM 2210 Humanistic Tradition I 3 hrs
   - MGF 1106 Finite Mathematics 3 hrs
   - AMH 2020 U.S. History: 1877-Present 3 hrs
   - SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring
   - ENC 1102 Composition II 3 hrs
   - CRMH 1020 Concepts in Chemistry 3 hrs
   - LIT 2110 World Literature I 3 hrs
   - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
   - SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Sophomore Year - Fall
   - 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
   - BSC 1055 Biological Principles 3 hrs

Sophomore Year - Spring
   - 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
   - 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
   - ENL 4101 English Novel 3 hrs
   - CRW 3120 Fiction Writing Workshop 3 hrs
   - CRW 4224 Advanced Nonfiction Workshop 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs

Senior Year - Fall
   - 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
   - Restricted Elective 3 hrs

Senior Year - Spring
   - CRW 3610 Writing Scripts 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

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 LIT 2110 World Literature I 3 hrs
   - Prefer LIT 2120 World Literature II 3 hrs
   - Select one class from B.1 list 3 hrs
### C: Mathematical Foundations

**Math:**
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

Or
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 EN 1301 Introduction to Scientific Inquiry 3 hrs

### 2. Common Program Prerequisites (CPP)

- **E: Science Foundations (6 hrs)**
  - 3 hrs
  - 3 hrs

Select 2: 6 hrs

This requirement. Check with advisor for details.

- **courses**

Select at least two post-1865 literature courses 6 hrs

- **Note:** Each semester, additional courses may satisfy this requirement. Check with advisor for details.

### 3. Core Requirements: Basic Level (6 hrs)

- **1.** ENG 3014 Theories and Techniques of Literature 3 hrs

### Choose one gateway course 3 hrs

- CRW 3013 Creative Writing for English Majors or 3 hrs
- ENC 3012 Composition II GEP 3 hrs
- CRW 3053 Theory & Practice of Creative Writing or 3 hrs
- CRW 3121 Research & Writing About Literature 3 hrs

### 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 at least two post-1865 literature courses 6 hrs

- **Note:** Each semester, additional courses may satisfy this requirement. Check with advisor for details.

### 5. Restricted Electives (15 hrs)

- **Upper Division Requirements**

Choose one single author or major author course: 3 hrs

### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 4300</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 3411</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 3414</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 3433</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 3403</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4244</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Choose one linguistics or theory course: 3 hrs

### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENG 3010</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3010</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4105</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4643</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4680</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4554</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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 3111, 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.

- Computer Competency met by completion of ENG 3014.

### 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).
UCF Degree Programs

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
</table>
| Freshman Year- Fall | ENC 1101 Composition I 3 hrs  
HUM 2210 Humanistic Tradition I 3 hrs  
MGF 1106 Finite Mathematics 3 hrs  
AMH 2020 U.S. History: 1877-Present 3 hrs  
SPC 1608 Fundamentals of Oral Communication 3 hrs |
| Freshman Year- Spring | CHM 1020 Concepts in Chemistry 3 hrs  
ENC 1102 Composition II 3 hrs  
LIT 2110 World Literature I 3 hrs  
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs  
1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs |
| Sophomore Year- Fall | BSC 1005 Biological Principles 3 hrs  
LIT 2120 World Literature II 3 hrs  
PSY 2012 General Psychology 3 hrs  
Restricted Elective 3 hrs  
1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs |
| Sophomore Year- Spring | ENG 3014 Theories and Techniques of Literature 3 hrs  
AML 3031 American Literature I 3 hrs  
AML 3041 American Literature II 3 hrs  
Restricted Elective 3 hrs  
1 SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs |
| Junior Year- Fall | LIT 3212 Research & Writing About Literature 3 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 | ENL 3231 Restoration Literature 3 hrs  
AML 4261 Literature of the South 3 hrs  
ENL 4333 Shakespeare Studies 3 hrs  
Restricted Elective 3 hrs  
Restricted Elective 3 hrs |

Senior Year - Fall
- 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
- 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.oelas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm)

English - Technical Communication (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 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 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)
- Math: (3 hrs)
  - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
- 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 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.
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs

3. Core Requirements: Basic Level (6 hrs)
- Select 1: (3 hrs)
  - ENC 3241 Writing for the Technical Professional 3 hrs
4. Core Requirements: Advanced Level (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 4260</td>
<td>Technical Writing Style</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4293</td>
<td>Documentation and the Collaborative Process</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4294</td>
<td>Documentation and Client-Based Collaboration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4433</td>
<td>Literature of Science and Technology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:
- ENC 4215 | Technical Publication and Project Management | 3 hrs |
- ENC 4218 | The Visual in Technical Documentation | 3 hrs |

5. Restricted Electives (6 hrs)

Select at least one of these pre-1865 literature courses:
- 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
- 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 | 3 hrs

Select at least one of these post 1865 literature courses:
- 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 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 4034 | Modern Drama As Literature or 3 hrs
- LIT 4184 | Irish Literature or 3 hrs
- LIT 4303 | Post-World War II Fiction or 3 hrs
- AML 3643 | Contemporary Native American Prose and Poetry or 3 hrs
- LIT 3823 | Hispanic Women Writers | 3 hrs

6. Capstone Requirements

- None
UCF Degree Programs

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 - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanities Tradition I 3 hrs
- MGF 1106 Finite 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
- CHM 1020 Concepts in Chemistry 3 hrs
- LIT 2110 World Literature I 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 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
- BSC 1005 Biological Principles 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
- ENC 3241 Writing for the Technical Professional Process 3 hrs
- AML 3613 Narratives of Slavery 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 4 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 Diversity 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 1 hr

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

English Language Arts Education (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 English Language Arts Education B.S. 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.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes.

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
- Required 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
- Required LIT 2110 World Literature I 3 hrs

Select 1:
- Prefer MUL 2010 Enjoyment of Music 3 hrs
- Prefer THE 2000 Theatre Survey 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations 6 hrs
- Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1:
- Prefer STA 1063C Basic Statistics Using Microsoft Excel 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

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 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
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- LIT 2110 World 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.

3. Core Requirements: Basic Level (9 hrs)
- Education Track requires 9 semester hours
- Lifelong Learning Track requires 12 semester hours

Education Track 9 hrs

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- LIT 2110 World Literature I 3 hrs
- ENL 2012 English Literature I 3 hrs
- ENL 2022 English Literature II 3 hrs

Lifelong Learning Track 12 hrs

- MHS 2330 Career Planning 3 hrs
- LIT 2110 World Literature I GEP 3 hrs
- ENL 2012 English Literature I GEP 3 hrs
- ENL 2022 English Literature II GEP 3 hrs

Select 1: 3 hrs
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (63 hrs)
- Education Track requires 66 semester hours
- Lifelong Learning Track requires 63 semester hours

Education Core Requirements 21 hrs

- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 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
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4240 Issues in Second Language Acquisition 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 Study 3 hrs
- AML 3031 American Literature I 3 hrs
- AML 3041 American Literature II 3 hrs
- LAE 4465 Canon, Young Adult Literature and the Language Arts Curriculum 3 hrs
- LAE 4464 Survey of Adolescent Literature 3 hrs
- LAE 4361 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

Internship I Block 9 hrs

- Prior to Internship I, the student must have completed EDF 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 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/clinicalexperience/.

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

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
LIT 4043 Modern Drama As Literature 3 hrs
LIT 4244 World Authors 3 hrs
LIT 3482 Literature & Popular Culture 3 hrs
UCF Degree Programs

60 semester hours earned after CLEP awarded
A 2.0 UCF GPA

University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded

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 3 hrs
EDP 2270 Adult Development & Learning 3 hrs

Lifelong Learning Track
3 hrs
EDF 2130 Child and Adolescent Development for Educators or 3 hrs
EDP 2270 Adult Development & Learning or 3 hrs

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

Select 1:
STA 2014C Principles of Statistics or 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs

Select 2:
STA 2014C Principles of Statistics or 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs

Sophomore Year - Spring
12 hrs
ENL 2222 English Literature II 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Education Track
3 hrs
AML 3031 American Literature I 3 hrs

Lifelong Learning Track
3 hrs
MHS 2330 Career Planning 3 hrs

Sophomore Year - Summer
6 hrs
TSL 4080 Theory and Practice of Teaching ESL 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
None

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 ECDCE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
Complete a TESOL notebook as required for ESOL Endorsement.

Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. 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.

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
None

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 ECDCE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
Complete a TESOL notebook as required for ESOL Endorsement.

Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. 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.
Entertainment 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@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 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 (6 hrs)

Select 1: 3 hrs
Required STA 2023 Statistical Methods I 3 hrs
Required STA 2013 Principles of Microeconomics 3 hrs

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

Select 1: 3 hrs
Required PSY 2012 General Psychology or 3 hrs
Required SYG 2000 Introduction to Sociology or 3 hrs
Required ANT 2000 General Anthropology 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.
HFT 2071 Introduction to the Entertainment Industry 3 hrs

3. Core Requirements: Basic Level
MAC 1105C College Algebra GEP

Select 1: 3 hrs
STA 2023 Statistical Methods I or 3 hrs
CGS 2100C Computer Fundamentals for Business GEP

Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (72 hrs)

Hospitality Management Core 15 hrs
HFT 2750 The Event Industry 3 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 4755 Theme Park and Attraction Management 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs

Entertainment Management Core 42 hrs
HFT 2071 Introduction to the Entertainment Industry CPP
HFT 2330 Entertainment Management 3 hrs
HFT 2563 Digital Marketing in Entertainment 3 hrs
HFT 3375 Entertainment Business 3 hrs
HFT 3376 Foundations of Production Management 3 hrs
HFT 3463 Revenue & Relationships in the Entertainment Industry 3 hrs
UCF Degree Programs

HFT 3395 Entertainment Media and Technology 3 hrs
HFT 3795 Leading in the Entertainment Industry 3 hrs
HFT 4377 Entertainment Production Management 3 hrs
HFT 4469 Financial Performance in Entertainment 3 hrs
HFT 4623 Entertainment Law and Ethics 3 hrs
HFT 3593 Consumer Behavior in Entertainment 3 hrs
HFT 4378 Entertainment Portfolio Management 3 hrs
HFT 4626 Public Policy Issues in the Entertainment Industry 3 hrs
HFT 4398 Entertainment Entrepreneurship 3 hrs

Performing Arts 12 hrs
MUL 2010 Enjoyment of Music 3 hrs
THE 2000 Theatre Survey 3 hrs
MUS 4320 Music Business and Industry 3 hrs
THE 3082 Theatre Careers 3 hrs

Internships 3 hrs
HFT 3940 Internship I 1 hr
HFT 4941 Internship II 1 hr
HFT 4944 Internship III 1 hr

5. Restricted Electives (9 hrs)
Complete three restricted Entertainment Management Electives
3000 or Higher Restricted Elective and 3 hrs
3000 or Higher Restricted Elective and 3 hrs
3000 or Higher Restricted Elective and 3 hrs

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
   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
    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 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/Hist 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/Hist Foundations II 3 hrs
HFT 2330 Entertainment Management 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

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 2023 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/Hist 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
HFT 3376 Foundations of Production Management 3 hrs
3000 or Higher Restricted 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 3463 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

UNIVERSITY OF CENTRAL FLORIDA
202 Undergraduate Catalog 2016-2017
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 Pohl, carolann.pohl@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 two courses from Historical Foundations 6 hrs
- Select one class from MUL 1010, 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
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
  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-requisites

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.

- EGE 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
- CHM 2045C Chemistry Fundamentals I CPP
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Earth Science GEP
- Biological Science 3 hrs

1 A “C” (2.0) or better is required in this course.
### 4. Core Requirements: Advanced Level (53 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3331C</td>
<td>Mechanics of Materials</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
<td>2</td>
</tr>
<tr>
<td>ENV 3001</td>
<td>Environmental Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CCE 4003</td>
<td>Introduction to the Construction Industry</td>
<td>3</td>
</tr>
<tr>
<td>STA 3002</td>
<td>Probability and Statistics for Engineers (GEP)</td>
<td>4</td>
</tr>
<tr>
<td>CWR 3201</td>
<td>Engineering Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>CEG 4011C</td>
<td>Geotechnical Engineering I</td>
<td>4</td>
</tr>
<tr>
<td>EES 4111C</td>
<td>Biological Process Control</td>
<td>4</td>
</tr>
<tr>
<td>EES 4202C</td>
<td>Chemical Process Control</td>
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</tr>
<tr>
<td>ENV 4531</td>
<td>Environmental Engineering Unit Operations</td>
<td>3</td>
</tr>
<tr>
<td>Env 4120</td>
<td>Air Pollution and Hazardous Waste Control</td>
<td>3</td>
</tr>
<tr>
<td>ENV 4561</td>
<td>Advanced Environmental Engineering Operations &amp; Processes</td>
<td>3</td>
</tr>
<tr>
<td>ENV 4341</td>
<td>Sustainable Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>CWR 4202C</td>
<td>Hydraulics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:
- CWR 4120 Hydrology or 3 hrs
- CWR 4124 Hydrogeology or 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 3 hrs
- 1 ENV 4123C Air Pollution Control Design or 3 hrs
- 1 ENV 4562C Environmental Engineering Water Treatment Design 3 hrs
- 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.

#### 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.

### 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)

#### Undergraduate Catalog 2016-2017

- 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 4 hrs
- Biological Science Requirement 3 hrs

### Freshman Year - Spring
- 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
- GE 3 hrs

### Sophomore Year - Fall
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3313 Engineering Economic Analysis 2 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 3334 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 9 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs
GEP 3 hrs

Junior Year - Fall 16 hrs
EN 4351 Environmental Engineering Unit Operations & Processes 3 hrs
EES 4202 Chemical Process Control 4 hrs
EN 4120 Air Pollution and Hazardous Waste Control 3 hrs
CWR 4202C Hydraulics 3 hrs
GEP 3 hrs

Senior Year - Fall 13 hrs
CEG 4011C Geotechnical Engineering I 4 hrs
ENV 4341 Sustainable Resource Management 3 hrs
GEP 3 hrs
Earth Science 3 hrs

Senior Year - Spring 12 hrs
Technical Elective 3 hrs
GEP 3 hrs
CGS 4080C 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.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $44 per term
- Full-Time Student: $87 per term

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. Roberto 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.

A: Communication Foundations (9 hrs)
Required MAC 1105C College Algebra 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
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

E: Science Foundations (6 hrs)
Select 1: 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

F: Management Electives (15 hrs)
Complete any five restricted Event Management Electives

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
### UCF Degree Programs

**8. Electives**
- 3-11 hours as necessary to result in 120 total credit hours.

**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**
- 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 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
- Cult/Hist. Foundations I 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**
- ENC 1102 Composition II 3 hrs
- HFT 2254 Lodging Operations 3 hrs
- HFT 2750 The Event Industry 3 hrs
- Cult/Hist. Foundations II 3 hrs

**Select 1:**
- 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:**
- 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
- Cult/Hist. 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.oegas.ucf.edu/alcacademic_learning_compacts.htm](http://www.oegas.ucf.edu/alcacademic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

**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 Film Department for details, or visit the website, [http://www.film.cah.ucf.edu](http://www.film.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.
UCF Degree Programs

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)
- 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

B: Cultural & Historical Foundations (9 hrs)
- FIL 1007 Foundations of Story 3 hrs
- Select a course from GEP C.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- MGF 1106 Finite Mathematics or 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. UCF General Education Program (GEP) (36 hrs)

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 2348 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 3227C 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 4601 The Film Producer 3 hrs
  - FIL 4647 Film Production Management 3 hrs

1 See transfer notes for possible substitutions.

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 3303C 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 4536 Sound Design 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 3880C Images of Women in Film 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL 3843C Film Theory and Criticism II 3 hrs
- FIL 3841 French New Wave Cinema 3 hrs
- FIL 3824 Italian Neo-Realist Cinema 3 hrs
- FIL 3847 Latin American Cinema 3 hrs
- FIL 3820 Italian Film 3 hrs
- FIL 3822 French Film 3 hrs
- FIL 3823 German Film 3 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- FIL 4436 Film Theory/Film Production 3 hrs

Digital Cinema
- ART 2823 Art as Interface 3 hrs
- ART 3618 Post-Production Design 3 hrs
- COP 3502C Computer Science I 3 hrs
- DIG 4855 Converging Media Capstone 3 hrs
- DIG 3138C Digital Imaging 3 hrs
- DIG 3180C 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.

6. 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.

Computer Competency met by one of the following:
- GGS 1060C Introduction to Computers or
- FIL 2552 Editing I or
- STA 1063C Basic Statistics Using Microsoft Excel 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.

Total Semester Hours Required
- 120

Honors In Major
- None
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)
B: Cultural & Historical Foundations (9 hrs)

2. Cultural & Historical Foundations (9 hrs)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 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 GEP
2. FIL 1007 Foundations of Story 3 hrs
1. See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (12 hrs)
- Select primarily from upper level courses after meeting

the requirement.

- Languages and Literatures or Judaic Studies. Standardized

examinations for foreign languages may be used to meet

the requirement.

8. Electives
- A 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
- Art
- Music
- Theatre
- Radio - Television
- English - Creative Writing
- Film
- Film - World Cinema Track

Certificates
- None

Related Minors
- Music
- Theatre
- Art - Studio
- English - Creative Writing

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

Prerequisites
- 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 1007 is a prerequisite for all major courses

and must be taken.

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 13 hrs
- ENC 1101 Composition I 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- Foreign Language Elementary Level I 4 hrs
- GEP 3 hrs

Freshman Year - Spring 13 hrs
- ENC 1102 Composition II 3 hrs
- FIL 1007 Foundations of Story 3 hrs
- Foreign Language Elementary Level II 4 hrs
- GEP 3 hrs

Freshman Year - Summer 9 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 15 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 1008 Cinematic Expression/Aesthetics 3 hrs
- GEP 3 hrs
- GEP 3 hrs

UCF Degree Programs

UNIVERSITY OF CENTRAL FLORIDA

209 Undergraduate Catalog 2016-2017
Finance (B.S.B.A.)
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://business.ucf.edu/undergraduate-programs
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 3401, 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.

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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 58 upper level business 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 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
   - Required: CGS 2100C Computer Fundamentals for Business
   - Required: MAC 1105C College Algebra

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 Microeconomics
   - 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)
UCF Degree Programs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (40 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
   - MGT 3023 Marketing 3 hrs

   Secondary Core
   - 13 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 3275 Introduction to International Business 3 hrs
   - MAR 3203 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 (12 hrs)
   - FIN 3414 Intermediate Corporate Finance 3 hrs
   - FIN 4224 Debt and Money Markets 3 hrs
   - FIN 4304 Equity and Capital Markets 3 hrs
   - FIN 4424 Advanced Topics in Financial Management 3 hrs

   5. Restricted Electives (15 hrs)

   Finance Electives
   - 6 hrs
   - Select 2: 6 hrs
   - 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:
     1. ACG 3141 Intermediate Financial Accounting II 3 hrs
     2. ECO 4412 Econometrics 3 hrs
     3. ECO 3101 Intermediate Microeconomics 3 hrs
     4. ECO 3203 Intermediate Macroeconomics 3 hrs
     5. FIN 4906 Directed Independent Study 3 hrs
     6. FIN 4941 Finance Internship 3 hrs
     7. FIN 4903H Honors Directed Reading I 3 hrs
     8. FIN 4907H Undergraduate Honors Thesis 3 hrs
     9. GEB 4374 International Negotiations and Transactions 3 hrs
    10. MAR 3391 Professional Selling 3 hrs
    11. RRE 4203 Commercial Real Estate Finance 3 hrs
    12. RRE 4303 Real Estate Investment Analysis 3 hrs

   1. Must be an accounting major or accounting minor to register for this course
   2. Internship course requires an overall GPA of 2.75 and a 3.0 GPA in the major.

5. Business Electives
   - 3 hrs
   - Choose any upper level business course.

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 Finance 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
   - FIN 4903H Honors Directed Reading I 3 hrs

   Required Honors Thesis 3 hrs
   - FIN 4907H Undergraduate Honors Thesis 3 hrs

Related Programs
- None

Certificates
- Finance: Banking
- Finance: Corporate Finance
- Finance: Investments

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.
UCF Degree Programs

- 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 56 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

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

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 15 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
- Elective 2 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 14 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.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Forensic Science - Analysis 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

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- 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)
- Prefer SPC 1603C 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 MAC 2311C Calculus with Analytic Geometry I 4 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 GEP

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 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
3. Core Requirements: Basic Level (18 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
  - or
  - CHM 2040 Chemistry Fundamentals I A
  - and
  - CHM 2046 Chemistry Fundamentals II and
  - CHM 2046L Chemistry Fundamentals Laboratory and
  - BSC 2010C Biology I and
  - MAC 2311C Calculus with Analytic Geometry I and
  - MAC 2312 Calculus with Analytic Geometry II and
  - PHY 2048C General Physics Using Calculus I
  - PHY 2049C General Physics Using Calculus II

4. Core Requirements: Advanced Level (34 hrs)

**A. Forensic Science Core:**
- CHS 3501 Introduction to Forensic Science
- CHS 3505C Forensic Microscopy
- CHS 3533 Forensic Biochemistry I
- CHS 3595 Forensic Science in the Courtroom
- CHS 4537 Forensic Laboratory Quality Assurance
- CHS 4591 Forensic Science Internship

**B. Forensic Analysis Track:**
- CHM 3422 Applied Physical Chemistry
- CHM 4130 Advanced Analytical Laboratory Technique
- CHM 4130L Advanced Analytical Chemistry Laboratory
- CHS 3511C Trace Evidence
- CHS 3530C Forensic Analysis of Controlled Substances

5. Restricted Electives (12 hrs)

Select from the following:
- CHM 2046 Chemistry Fundamentals II and
- CHM 2046L Chemistry Fundamentals Laboratory and
- BSC 2010C Biology I and
- MAC 2311C Calculus with Analytic Geometry I and
- MAC 2312 Calculus with Analytic Geometry II and
- PHY 2048C General Physics Using Calculus I
- PHY 2049C General Physics Using Calculus II

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

8. Electives
- Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.
UCF Degree Programs

- Because of the rigorous nature of these classes, students should plan on utilizing summer terms. In addition, you may be required to complete 9 hours during the Summer. Consult with an advisor to determine if you are exempt.
- This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

Freshman Year - Fall 12 hrs

- CHM 2040 Chemistry Fundamentals IA 3 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs
- MAC 1140C Pre-Calculus Algebra 3 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 2311C Calculus with Analytic Geometry I 4 hrs
- ENC 1102 Composition II 3 hrs

Freshman Year - Summer 4 hrs

- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Sophomore Year - Fall 15 hrs

- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Spring 15 hrs

- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- Restricted Elective 3 hrs

Junior Year - Fall 15 hrs

- CHS 3505C Forensic Microscopy 4 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- PCB 3233 Immunology 3 hrs
- Restricted Elective 1 hr
- GEP 3 hrs

Junior Year - Spring 13 hrs

- CHS 4516C Forensic Crime Scene Investigation 4 hrs
- Restricted Elective 3 hrs

Junior Year - Summer 7 hrs

- CHS 4516C Forensic Crime Scene Investigation 4 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 13 hrs

- CHS 3533 Forensic Biochemistry I 2 hrs
- CHM 4322 Applied Physical Chemistry 3 hrs
- GEP 3 hrs
- Restricted Elective 1 hr

Senior Year - Spring 14 hrs

- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130L Advanced Analytical Laboratory 2 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses 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)
- Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
- Pref. SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 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)
- Required BSC 2010C Biology I 4 hrs
- Required PHY 2048C General Physics Using Calculus I 4 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 GEP

Select one of the following sequences of courses:
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2040 Chemistry Fundamentals IA 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
- MAC 2311C Calculus with Analytic Geometry I GEP
- MAC 2312C 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 (20 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 GEP/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 GEP/CPP
   MAC 2311C Calculus with Analytic Geometry I and GEP/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 and CPP
   
   **Basic Core: Additional Requirements** 20 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 and 3 hrs
   PCB 3063L Genetics Laboratory and 1 hr
   PCB 3233 Immunology and 3 hrs
   PCB 3233L Immunology Laboratory 1 hr
   
   4. Core Requirements: Advanced Level (45 hrs)
   A. Forensic Science Core 18 hrs
      CHS 3501 Introduction to Forensic Science 3 hrs
      CHS 3505C Forensic Microscopy 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
      
   B. Forensic Biochemistry Track: 27 hrs
      BCH 4053 Biochemistry I 3 hrs
      BCH 4054 Biochemistry II 3 hrs
      BCH 4103L Biochemical Methods 2 hrs
      BSC 3403C Quantitative Biological Methods 4 hrs
      CHS 4534C Forensic Biochemistry II 3 hrs
      CHS 3533L Forensic Biochemistry I Laboratory 1 hr
      MCB 3020C General Microbiology 5 hrs
      PCB 3522 Molecular Biology I 3 hrs
      PCB 4524 Molecular Biology II 3 hrs
      
   5. Restricted Electives (3 hrs)
      Any course approved by the Forensic Program advisor. 3 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.
      
      Students must maintain a cumulative GPA of 2.5 in all course taken to meet 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 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** 124
   
   **Honors In Major**
   - None
   
   **Related Programs**
   - Chemistry
   - Forensic Science - Analysis Track
   - 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 two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

   **Freshman Year - Fall** 16 hrs
   CHM 2040 Chemistry Fundamentals IA 3 hrs
   CHS 3501 Introduction to Forensic Science 3 hrs
   BSC 2010C Biology I 4 hrs
   MAC 1140C Pre-Calculus Algebra 3 hrs
   ENC 1101 Composition I 3 hrs
UCF Degree Programs

Freshman Year - Spring 16 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
CHM 2041 Chemistry Fundamentals I 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
STA 2023 Statistical Methods I 3 hrs
ENC 1102 Composition I 3 hrs
GEP 3 hrs

Freshman Year - Summer 4 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.

Sophomore Year - Fall 14 hrs
CHM 2211 Organic Chemistry I 3 hrs
PHY 2048C General Physics Using Calculus I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Spring 13 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
Lab may be taken in a later term if seats are not available.
MCB 3020C General Microbiology 5 hrs
GEP 3 hrs

Sophomore Year - Summer 4 hrs
PHY 2049C General Physics Using Calculus II 4 hrs

Junior Year - Fall 14 hrs
CHS 3505C Forensic Microscopy 4 hrs
PCB 3233 Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
GEP 3 hrs

Junior Year - Spring 14 hrs
CHS 3595 Forensic Science in the Courtroom 3 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
PCB 3063 Genetics 3 hrs
PCB 3063L Genetics Laboratory 1 hr

Senior Year - Fall 16 hrs
CHS 353 Forensic Biochemistry I 2 hrs
CHS 353L Forensic Biochemistry I Laboratory 1 hr
BCH 4053 Biochemistry I 3 hrs
PCB 3522 Molecular Biology I 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
GEP 3 hrs

Senior Year - Spring 14 hrs
CHS 4534C Forensic Biochemistry II 3 hrs
BCH 4054 Biochemistry II 3 hrs
BCH 4103L Biochemical Methods 2 hrs
PCB 4524 Molecular Biology II 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.oeas.ucf.edu/alc/academic_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.caah.ucf.edu/
Dr. Charlotte Trinquet, ctrinque@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) (14 hrs)
- 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
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.

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 4950) to their French Faculty Advisor
Computer Competency met by the following or equivalent:
CGS 1060C Introduction to Computers 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.

Total Semester Hours Required
120

Honors in Major
None

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

Plan of Study

Freshman Year - Fall 13 hrs
ENC 1101 Composition I 3 hrs
WOH 2012 World Civilization I 3 hrs
MGF 1107 Explorations in Mathematics 3 hrs
FRE 1120C Elementary French Language and Civilization I 4 hrs

Freshman Year - Spring 13 hrs
ENC 1102 Composition II 3 hrs
WOH 2022 World Civilization II 3 hrs
CGS 1060C Introduction to Computers 3 hrs
FRE 1121C Elementary French Language and Civilization II 4 hrs

Freshman Year - Summer 8 hrs
FRE 2270 Intermediate French Study Abroad 8 hrs

Sophomore Year - Fall 12 hrs
FRE 2200 Intermediate French Language and Civilization I 3 hrs
FRW 3100 Survey of French Literature I 3 hrs
FRW 3101 Survey of French Literature II or 3 hrs
FRW 3760 Advanced French Oral Communication 3 hrs
FRW 3780 French Phonetics and Diction 3 hrs

Select 1: 3 hrs
SPC 1608 Fundamentals of Oral Communication or 3 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Spring 12 hrs
LIT 2120 World Literature II 3 hrs
FRE 2201 Intermediate French Language and Civilization II 3 hrs
FRW 3100 Survey of French Literature I 3 hrs
FRW 3770 Francophone Literature 3 hrs
FRW 3300 French Grammar 3 hrs
Restricted Elective 3 hrs

Sophomore Year - Summer 6 hrs
Study Abroad 6 hrs

Junior Year - Fall 12 hrs
FRW 3100 Survey of French Literature I 3 hrs
FRW 4421 Advanced French Conversation 3 hrs
FRE 3300 French Grammar 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
FRW 3780 Advanced French Composition 3 hrs
FRW 4422 Advanced French Composition 3 hrs
FRW 3780 French Phonetics and Diction 3 hrs

Select 1: 3 hrs
FRW 3101 Survey of French Literature II or 3 hrs
FRW 3770 Francophone Literature 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 12 hrs
FRE 3420 French Composition 3 hrs
FRE 3440 Business French I 3 hrs

Select 1: 3 hrs
FRW 4552 Nineteenth Century French Literature or 3 hrs
FRW 3370 Short Stories of 18th, 19th and 20th Centuries 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 12 hrs
FRW 3740 The French Literature of Canada 3 hrs
FRW 4550 The French Literature of Canada 3 hrs
FRE 3441 Business French II 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.oias.ucf.edu/alc/academic_learning_compacts.htm
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

Admission Requirements
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission 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.
- UCF Residency Requirement: 30 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) (17 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1:
- Required
  - CGS 1060C Introduction to Computers or 3 hrs
  - CGS 2100C Computer Fundamentals for Business 3 hrs

Select 2:
- Required
  - PCB 3703C Human Physiology 4 hrs
  - STA 2014C Principles of Statistics GEP
  - CGS 2100C Computer Fundamentals for Business 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - ACG 2021 Principles of Financial Accounting 3 hrs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (66 hrs)
   - HSA 3423 Health Law 3 hrs
   - HSA 3170 Health Care Finance 3 hrs
   - HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
   - HSA 4191 Fundamentals of Health Information Technology 3 hrs
   - HSA 4702 Health Sciences Research Methods 3 hrs
   - HSC 3537 Medical Terminology 3 hrs
   - HSC 2524 Introduction to Human Disease 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 4256C 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 4506C Quality Management 3 hrs
   - HIM 4656C Health Information Management Systems 3 hrs
   - HIM 4838 Management Affiliation 5 hrs

Select 1:
- Required
  - HSA 4180 Organization & Management for Health Agencies I or 3 hrs
  - MAN 3025 Management of Organizations 3 hrs

5. Restricted Electives
   - None

6. Capstone Requirements
   - 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.

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
## UCF Degree Programs

### Health Sciences - Pre-Clinical Track (B.S.)

**College of Health and Public Affairs**  
Department of Health Professions,  
Health and Public Affairs I, Room: 124  
[http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml](http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml)  
Dr. Suha Saleh, pcinfo@ucf.edu, 407-823-0946

The Bachelor of Science degree in Health Sciences Pre-Clinical Track 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 are required to have an 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 professions. Most graduate programs such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

### Admission Requirements

- None

### Degree Requirements

- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- 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 (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission.
- Students must achieve at least 2.5 overall GPA for graduation.
- No transfer course will be accepted with a grade lower than a “C.”

### Required (38 hrs)

#### A: Communication Foundations (9 hrs)
- Required MAC 1105C College Algebra 3 hrs
- Required 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)
- Required MAC 1105C College Algebra 3 hrs

### Senior Year - Spring

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<th>Credits</th>
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<tr>
<td>HIM 4676</td>
<td>Professional Development and Issues in Health Information Management</td>
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<tr>
<td>HIM 4816C</td>
<td>Professional Practice Experience II</td>
<td>3 hrs</td>
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<td>1 HSA 4702</td>
<td>Health Sciences Research Methods</td>
<td>3 hrs</td>
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<tr>
<td>1 HSA 3170</td>
<td>Health Care Finance</td>
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<td>2 HIM 4998</td>
<td>Internship Orientation</td>
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### Senior Year - Summer

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<td>HIM 4838</td>
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### 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)

## Plan of Study

### Freshman Year - Fall

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<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>General Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 2000</td>
<td>Introduction to the Allied Health Professions</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
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<tr>
<td>GEP Social</td>
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</table>

### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP Historical</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Social</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Historical</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP Communication</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Cultural</td>
<td></td>
<td>3 hrs</td>
</tr>
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</table>

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 HSA 4191</td>
<td>Fundamentals of Health Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 3006</td>
<td>Foundations of Health Information Management (HIM)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 HSC 3537</td>
<td>Medical Terminology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 2524</td>
<td>Introduction to Human Disease</td>
<td>3 hrs</td>
</tr>
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</table>

### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 MAN 3025</td>
<td>Management of Organizations or Agencies I</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>
</tbody>
</table>

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 4344C</td>
<td>Health Information Department Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HIM 4508C</td>
<td>Quality Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4256C</td>
<td>Coding Procedures II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4656C</td>
<td>Health Information Management Systems</td>
<td>3 hrs</td>
</tr>
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</table>

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 4676</td>
<td>Professional Development and Issues in Health Information Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4816C</td>
<td>Professional Practice Experience II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 HSA 4702</td>
<td>Health Sciences Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 HSA 3170</td>
<td>Health Care Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 HIM 4998</td>
<td>Internship Orientation</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

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.

2. Internship Orientation, 0 credit
## UCF Degree Programs

### E: Science Foundations (8 hrs)
- Required: BSC 2010C Biology I 4 hrs
- Required: PHY 2053C College Physics I 4 hrs

### 2. Common Program Prerequisites (CPP) (3 hrs)
- MAC 1114C College Trigonometry 3 hrs
- BSC 2010C Biology I GEP
- PSY 2012 General Psychology GEP
- STA 2023 Statistical Methods I GEP

### 3. Core Requirements: Basic Level (20 hrs)
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 3 hrs
- DEP 2004 Developmental Psychology 3 hrs
- HUN 2201 Fundamentals of Human Nutrition 3 hrs
- PHY 2053C College Physics I GEP
- PHY 2054C College Physics II 4 hrs

Select 1:
- HSC 2000 Introduction to the Allied Health Professions or 2 hrs
- HSC 4008 Professional Development in Health Professions 3 hrs

1. Students must earn appropriate score on placement exam prior to enrolling in these classes.
2. For freshman and sophomore students. The upper level HSC 4008 (3hrs) can be used as a substitution as needed during the junior or senior years.

### 4. Core Requirements: Advanced Level (29 hrs)
- HSC 3147 Introduction to Pharmacology 3 hrs
- HSC 3211 Preventive Health Care 3 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 4562 Health Law and Ethics 3 hrs
- HSC 4568 Pathophysiology II 3 hrs
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- PCB 3703C Human Physiology 4 hrs
- ZOO 3733C Human Anatomy 4 hrs

Select 1: 3 hrs
- HSC 4730 Applied Health Research Methodology 3 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs

### 5. Restricted Electives (30 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. Laboratory courses are required with selection of certain science classes.
- Students must meet restricted elective credit hour requirements and UCF upper division credit hour requirements. These are suggested electives based on disciplines, but it is the student’s responsibility to check with graduate programs to meet prerequisites.
- Students are advised to check the Program’s web site for updated information and suggested electives for specific Health Professions Graduate Programs.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>BCH 4053</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>3 hrs</td>
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<tr>
<td>BSC 2011C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3111</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3537</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3559</td>
<td>3 hrs</td>
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<tr>
<td>HSC 3593</td>
<td>3 hrs</td>
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<tr>
<td>HSC 3452</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4008</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4564</td>
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<tr>
<td>HSC 4572</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4730</td>
<td>3 hrs</td>
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<tr>
<td>MCB 3020C</td>
<td>5 hrs</td>
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<tr>
<td>MCB 4503C</td>
<td>3 hrs</td>
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<tr>
<td>PCB 3063</td>
<td>3 hrs</td>
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<tr>
<td>PCB 3083L</td>
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<tr>
<td>PCB 3233</td>
<td>3 hrs</td>
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<tr>
<td>PCB 3233L</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 4805</td>
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<tr>
<td>ATR 3203C</td>
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<tr>
<td>ATR 3204C</td>
<td>3 hrs</td>
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<tr>
<td>ATR 3312C</td>
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<tr>
<td>PET 4606</td>
<td>3 hrs</td>
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<tr>
<td>SYO 4400</td>
<td>3 hrs</td>
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<tr>
<td>ZOO 3744</td>
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<tr>
<td>ZOO 4743C</td>
<td>4 hrs</td>
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<tr>
<td>ZOO 4753C</td>
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</tr>
<tr>
<td>HSC 4553</td>
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</tr>
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</table>

### 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
- 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.

### 9. Additional Requirements
- None
- 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Students must achieve 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.
- Students must take a minimum of 30 hours of upper-division Health Sciences Pre-Clinical courses from the UCF Health Sciences Pre-Clinical program to obtain the UCF degree in Health Sciences Pre-Clinical Track.

### 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.

### 13. Total Semester Hours Required
- 120

### Honors in Major
- Interested students should consult with a faculty advisor

### Related Programs
- Biology
- Molecular Biology and Microbiology
- Athletic Training
- Sports and Fitness

### Certificates
- None

### Related Minors
- Biology
- Business
- Chemistry
- Education
Students should consult with a college advisor each semester.

Students should consult a pre-professional advisor before making application to a graduate program.

Students are required to have a personal interview with an advisor at the Undergraduate Student Services after filing Intent to Graduate form online.

**Transfer Notes**
- Completion of an Associate of Arts degree from a Florida College System institution is strongly recommended.
- Students who begin a two-semester sequence course (e.g. General Chemistry, College Physics) 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.
- Students who take Anatomy and Physiology at a Florida College System institution may be required to complete additional upper division credits in order to meet University graduation requirements of 48 credit hours of upper division (3000-4000) level credits.

**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).
- 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 that 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
- **BSC 2010C** Biology I 4 hrs
- **MAC 1105C** College Algebra 3 hrs
- **ENC 1101** Composition I 3 hrs
- **HSC 2000** Introduction to the Allied Health Professions 2 hrs
- **GEP Communication** 3 hrs

### Freshman Year - Spring
- **ENC 1102** Composition II 3 hrs
- **PSY 2012** General Psychology 3 hrs
- **CHM 2045C** Chemistry Fundamentals I 4 hrs
- **STA 2023** Statistical Methods I 3 hrs
- **GEP Cultural** 3 hrs

### Sophomore Year - Fall
- **CHM 2046** Chemistry Fundamentals II 3 hrs
- **CHM 2046L** Chemistry Fundamentals Laboratory 1 hr
- **DEP 2004** Developmental Psychology 3 hrs
- **ZOO 3733C** Human Anatomy 4 hrs
- **GEP Historical** 3 hrs

### Senior Year - Fall
- **HSC 3211** Preventive Health Care 3 hrs
- **HSC 4501** Epidemiology of Chronic Diseases 3 hrs
- **HSA 4702** Health Sciences Research Methods 3 hrs

### Select 1
- **HSC 4730** Applied Health Research Methodology or 3 hrs

### Senior Year - Spring
- **restricted Elective** 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: \[http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm\]

### Health Services Administration (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/**

**Email: hsainfo@ucf.edu**

Philip Wessel, MHA, Undergraduate Program Director, hsainfo@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**
UCF Degree Programs

- 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 (6 hrs)
- 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:
     - Required: CGS 1060C Introduction to Computers or 3 hrs
     - Required: CGS 2100C Computer Fundamentals for Business 3 hrs
   - D: Social Foundations (6 hrs)
     - Required: ECO 2023 Principles of Microeconomics 3 hrs
   - E: Science Foundations (6 hrs)
     - Required: STA 2023 Statistical Methods I 3 hrs
   - Select 1:
     - CGS 2100C Computer Fundamentals for Business or 3 hrs
     - CGS 1060C Introduction to Computers or 3 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 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- Select 1:
  - CGS 2100C Computer Fundamentals for Business or 3 hrs
  - CGS 1060C Introduction to Computers or 3 hrs
- 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
- HSA 3104 Health Services Administration Cornerstone 3 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSA 3170 Health Care Finance 3 hrs
- HSA 3222 Long Term Care and Administration 3 hrs
- HSA 3430 Health Care Economics 3 hrs
- HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HIM 4508C Quality Management 3 hrs
- HSC 4702 Health Sciences Research Methods 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 4500 Epidemiology 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- HSA 4184 Organization & Management for Health Agencies II 3 hrs
- HSA 4191 Fundamentals of Health Information Technology 3 hrs
- HSA 4850 Health Services Administration Internship 3 hrs
- HSA 4853 Internship Orientation 0 hrs

5. Restricted Electives
- None

6. Capstone Requirements (3 hrs)
- HSA 4939 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 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 finger printing, 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.

- 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
- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- GEP Communication 3 hrs
- GEP Science 3 hrs
- GEP Cultural 3 hrs

#### Sophomore Year - Fall
- 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
- 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
- Select 1: 3 hrs
  - Free Elective 3 hrs
  - 1 Foreign Language 4 hrs

#### Junior Year - Fall
- 1 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
- 1 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
- 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
- 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.o eas.ucf.edu/alc/academic_learning_compacts.htm

### History (B.A.)

#### College of Arts and Humanities

#### Department of History, Colbourn Hall, Room: 551

#### 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**
- 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**
- Required 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
- Required AMH 2020 U.S. History: 1877-Present 3 hrs
- Select one course from D.2 list 3 hrs

#### E: Science Foundations
- Required AMH 2020 U.S. History: 1877-Present 3 hrs

#### 2. Common Program Prerequisites (CPP)
- Suggested MGF 1106 Finite Mathematics or
- Suggested MGF 1107 Explorations in Mathematics

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**UNIVERSITY OF CENTRAL FLORIDA**

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### UCF Degree Programs

#### 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 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 four geographic regions
  - Asian, African, and Middle Eastern 6 hrs
  - British and European 6 hrs
  - Latin American 6 hrs
  - U.S. and Canadian 6 hrs
- Select three hours of approved history courses

#### 6. 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.

##### 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.
- Computer competency met by completion of the major.
- Students must complete at least 18 of the required 36 History credit 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 Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- Humanities

#### Certificates
- None

### Related Minors
- African - American Studies
- American Studies
- Asian Studies
- Florida Studies
- Humanities
- Judaic Studies
- Middle Eastern Studies
- Latin American Area Studies
- Women’s Studies

### Advising Notes
- None

### Transfer Notes
- Grades below “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
1. AMH 2010 U.S. History: 1492-1877 3 hrs may be substituted with:
2. AMH 2020 U.S. History: 1877-Present 3 hrs

### Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

#### Freshman Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Freshman Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Sophomore Year - Fall
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Sophomore Year - Spring
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Fall
- HIS 4150 History and Historians 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
University of Central Florida

UCF Degree Programs

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: 3 hrs
Required: CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I 3 hrs

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: PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology 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.
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

3. 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

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

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: Advanced Level (18 hrs)
HFT 2254 Lodging Operations 3 hrs
HFT 3263 Restaurant Management 3 hrs

Sectoral Core 12 hrs
Select 3: 9 hrs
HFT 3700 Tourism Management or 3 hrs
HFT 2750 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 3 hrs
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 4286C Catering and Banquet Organization 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
HFT 3654 Hospitality Franchising 3 hrs
HFT 3741 Meeting Management 3 hrs
HFT 3770 Cruise Line Operations and Management 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 3868 History and Culture of Wine 3 hrs
HFT 4065 Fine Spirits Management 3 hrs
HFT 4253 Advanced Lodging Operations 3 hrs
HFT 4266 Hospitality Brand Management 3 hrs
HFT 4274 Resort Management 3 hrs
HFT 4343 Hospitality Facilities Management 3 hrs
HFT 4358 Golf & Club Facility Design 3 hrs
HFT 4432 Hospitality Industry Auditing 3 hrs
HFT 4473 Hospitality and Tourism Development 3 hrs
HFT 4522 Resort Sales Tactics and Strategies 3 hrs
HFT 4751 Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs
HFT 4561 Destination Marketing 3 hrs
HFT 4614 Risk Management in Theme Parks and Attractions 3 hrs
HFT 4735 Tourism Geography 3 hrs
HFT 4736 Destination Management 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
HFT 4759 Product Development in Theme Parks and Attractions 3 hrs
HFT 4762 Current Practices in the Airline Industry 3 hrs
HFT 4752 Managing the Guest Experience in the Theme Park and Attraction Industry 3 hrs
HFT 4758 Operational Issues in the Theme Park and Attraction Industry 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs
HFT 4796 International Events 3 hrs
HFT 4864 Seminar in Quality Brewing and Fine Beer 3 hrs
## UCF Degree Programs

### Specialized Tracks 15 hrs
- **Theme Park and Attraction Industry Track** 15 hrs
  - HFT 4522 Resort Management or 3 hrs
  - HFT 4253 Advanced Lodging Operations or 3 hrs
  - HFT 4274 Resort Management or 3 hrs
  - HFT 3512 Event Promotion or 3 hrs
  - HFT 3607 Hospitality and Event Risk Management or 3 hrs

### Certificates
- None

### Related Programs
- None

### Additional Requirements
- 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 semester credit hours into your course of study.

### Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult/Hist. 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 or 3 hrs

### Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1680 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult/Hist. 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 15 hrs
- HFT 2254 Lodging Operations 3 hrs
- HFT 2750 The Event Industry or 3 hrs
- HFT 2750 Hospitality and Tourism Marketing 3 hrs
- Science Foundations I 3 hrs
- Free Elective 3 hrs

### Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics or 3 hrs

### Sophomore Year - Spring 16 hrs
- HFT 2720 Hospitality Human Resources Management 3 hrs
- Science Foundations II 3 hrs
- Cult/Hist. Foundations III 3 hrs
- Free Elective 3 hrs
- FSS 2212C 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 Tourism Industry 3 hrs
HFT 3940 Internship I 1 hr
Sectorial Studies 6 hrs

Junior Year - Spring 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 - Fall 16 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
Hospitality Restricted Electives 6 hrs
Free Electives 3 hrs

Senior Year - Spring 12 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
Free 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/acl/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
Dr. Jim Katt, Area Coordinator, james.katt@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- None

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)
   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 or Presentations 3 hrs
   Required SPC 1603C Fundamentals of Technical Presentations 3 hrs
   B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
   Statistics: (3 hrs)
   Required STA 1063C Basic Statistics Using Microsoft Excel or
   Required STA 2014C Principles of Statistics 3 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.

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

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)
   Speech
   SPC 1608 Fundamentals of Oral Communication or 3 hrs
   SPC 1603C Fundamentals of Technical Presentations 3 hrs
   STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   STA 2014C Principles of Statistics 3 hrs

Computer Science:
   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)
   Select 1:
   COM 3011C Communication and Human Relations or 3 hrs
   COM 3003 Exploring Human Communication 3 hrs

Take all of the following: 9 hrs
   COM 3120 Organizational Communication 3 hrs
   COM 3311 Communication Research Methods and 3 hrs
   SPC 3301 Interpersonal Communication 3 hrs

5. Restricted Electives (27 hrs)
   Internal Restricted Electives: 21 hrs
   - Select from the following list:
     COM 3013 Communication and the Family 3 hrs
     COM 3022 Health Communication 3 hrs
     COM 3110 Business and Professional Communication 3 hrs
     COM 3332 Communication, Technology, and Change 3 hrs
     COM 3406 Role of Motivation in Communication 3 hrs
     COM 4014 Gender Issues in Communication 3 hrs
     COM 4416 Terrorism and Communication 3 hrs
     COM 4461 Interpersonal Communication 3 hrs
     COM 4462 Conflict Management 3 hrs
     SPC 3445 Leadership Through Oral Communication 3 hrs
     SPC 3513C Argumentation and Debate 3 hrs
     SPC 4331 Nonverbal Communication 3 hrs
     SPC 4426 Group Dynamics 3 hrs
     SPC 4540 Persuasion and Communication 3 hrs

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:
   - Select 1: (3 hrs)
     ENC 3315 Argumentative Writing or 3 hrs
     ENC 3311 Essay as Cultural Commentary or 3 hrs
     ENC 3250 Professional Writing or 3 hrs
     ENC 3314 Writing and Rhetoric Foundations or 3 hrs
     ENC 3241 Writing for the Technical Professional or 3 hrs
     SPC courses with prior approval of department advisor.
## UCF Degree Programs

### 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
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs

#### Sophomore Year - Fall
- Core-Computer Science 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective (Consider a minor) 3 hrs

#### Sophomore Year - Spring
- COM 3311 Communication Research Methods 3 hrs

#### Junior Year - Fall
- 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
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs
- External Restricted Elective 3 hrs

#### Junior Year - Summer
- Restricted Elective-Internship 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

#### Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

#### Senior Year - Spring
- 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
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)
   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.

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 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level
   HUM 2020 Encountering the Humanities GEP
   Select 1
   PHI 2010 Introduction to Philosophy or REL 2300 World Religions GEP
   Select 1
   HUM 2210 Humanistic Tradition I or HUM 2230 Humanistic Tradition II GEP

4. Core Requirements: Advanced Level (33 hrs)
   Core Requirements
   HUM 3800 Research Methods in Humanities 3 hrs
   Humanities Foundations 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 12 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 3 hrs
   Cultural Traditions 6 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 6 hrs
   HUM 4931 Key Figures in the Humanities & Cultural Studies or 3 hrs
   HUM 4934 Key Concepts in Humanities & Cultural Studies 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements (3 hrs)
   HUM 4933 Senior Research Seminar

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.
   - Computer Competency met by one of the following:
     - HUM 4970H Undergraduate Honors Thesis 3 hrs
     - HUM 4933 Senior Research Seminar 3 hrs
     - STA 1063C Basic Statistics Using Microsoft Excel 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.
   Total Semester Hours Required 120
Honors In Major

- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major.

Requirements are 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 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

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 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

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.oceas.ucf.edu/alc/academic_learning_compacts.htm

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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/
Dr. William Thompson, william.thompson@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.

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Degree Requirements
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- 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 ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1903C 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 one course from Social Foundations Group 2 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. 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td></td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td></td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td></td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
<td></td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I</td>
<td></td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus II</td>
<td></td>
</tr>
<tr>
<td>EGN 1006C</td>
<td>Introduction to the Engineering Profession</td>
<td></td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td></td>
</tr>
</tbody>
</table>

Select 1: 4 hrs

1. CHS 1440 Principles of Chemistry or
2. CHM 2045C Chemistry Fundamentals I

1 A 2.0 cumulative GPA or better is required for this course.
2 Preferred

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 1006C</td>
<td>Introduction to the Engineering Profession</td>
<td></td>
</tr>
<tr>
<td>EIN 3314</td>
<td>Work Analysis and Design</td>
<td></td>
</tr>
<tr>
<td>EIN 4628</td>
<td>Decision Support Systems for Industrial Engineering</td>
<td></td>
</tr>
<tr>
<td>EIN 4234C</td>
<td>Human Engineering</td>
<td></td>
</tr>
<tr>
<td>EIN 4333</td>
<td>Production and Distribution Systems</td>
<td></td>
</tr>
<tr>
<td>EIN 4364</td>
<td>Facilities Planning</td>
<td></td>
</tr>
<tr>
<td>EIN 4391</td>
<td>Manufacturing Engineering</td>
<td></td>
</tr>
<tr>
<td>ESI 4221</td>
<td>Empirical Methods for Industrial Engineering</td>
<td></td>
</tr>
<tr>
<td>ESI 4234</td>
<td>Quality Engineering</td>
<td></td>
</tr>
<tr>
<td>ESI 4312</td>
<td>Operations Research</td>
<td></td>
</tr>
<tr>
<td>ESI 4523</td>
<td>Systems Simulation</td>
<td></td>
</tr>
<tr>
<td>EIN 4517</td>
<td>Systems Engineering</td>
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</tr>
<tr>
<td>EIN 3310</td>
<td>Engineering Analysis-Statistics</td>
<td></td>
</tr>
<tr>
<td>COP 3223C</td>
<td>Introduction to Programming with C</td>
<td></td>
</tr>
<tr>
<td>EGS 3321</td>
<td>Engineering Analysis-Dynamics</td>
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</tr>
<tr>
<td>EGS 3373</td>
<td>Principles of Electrical Engineering</td>
<td></td>
</tr>
<tr>
<td>EIN 2002</td>
<td>Introduction to Industrial Engineering and Management Systems</td>
<td></td>
</tr>
<tr>
<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>EIN 3351</td>
<td>Engineering Economic Analysis and Cost Engineering</td>
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</tr>
</tbody>
</table>

Select 1: 3 hrs

1 CHS 1440 Principles of Chemistry or 2 CHM 2045C Chemistry Fundamentals I

4. Core Requirements: Advanced Level (59 hrs)

Courses Required for the Major 59 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 4624</td>
<td>Engineering Innovation and Leadership</td>
<td></td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td></td>
</tr>
<tr>
<td>EIN 3334</td>
<td>Work Analysis and Design</td>
<td></td>
</tr>
<tr>
<td>EIN 4628</td>
<td>Decision Support Systems for Industrial Engineering</td>
<td></td>
</tr>
<tr>
<td>EIN 4234</td>
<td>Human Engineering</td>
<td></td>
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<tr>
<td>EIN 4333</td>
<td>Production and Distribution Systems</td>
<td></td>
</tr>
<tr>
<td>EIN 4364</td>
<td>Facilities Planning</td>
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<tr>
<td>EIN 4391</td>
<td>Manufacturing Engineering</td>
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<tr>
<td>ESI 4221</td>
<td>Empirical Methods for Industrial Engineering</td>
<td></td>
</tr>
<tr>
<td>ESI 4234</td>
<td>Quality Engineering</td>
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<tr>
<td>ESI 4312</td>
<td>Operations Research</td>
<td></td>
</tr>
<tr>
<td>ESI 4523</td>
<td>Systems Simulation</td>
<td></td>
</tr>
<tr>
<td>EIN 4517</td>
<td>Systems Engineering</td>
<td></td>
</tr>
<tr>
<td>EIN 3310</td>
<td>Engineering Analysis-Statics</td>
<td></td>
</tr>
<tr>
<td>COP 3223C</td>
<td>Introduction to Programming with C</td>
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</tr>
<tr>
<td>EGS 3321</td>
<td>Engineering Analysis-Dynamics</td>
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<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>EIN 3351</td>
<td>Engineering Economic Analysis and Cost Engineering</td>
<td></td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

1 CHS 1440 Principles of Chemistry or 2 CHM 2045C Chemistry Fundamentals I

5. Restricted Electives (6 hrs)
- These courses are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
- None
Select 1

SPC 1603C  Fundamentals of Technical Presentations  3 hrs
or
SPC 1608  Fundamentals of Oral Communication  3 hrs

Sophomore Year - Fall  14 hrs
MAC 2313  Calculus with Analytic Geometry III  4 hrs
STA 3032  Probability and Statistics for Engineers  3 hrs
EIN 2002  Introduction to Industrial Engineering and Management Systems  1 hr
GEP  3 hrs
EGN 3310  Engineering Analysis-Statics  3 hrs

Sophomore Year - Spring  13 hrs
MAP 2302  Ordinary Differential Equations I  3 hrs
EGN 3321  Engineering Analysis-Dynamics  3 hrs
MAS 3105  Matrix and Linear Algebra  4 hrs
EIN 3351  Engineering Economic Analysis and Cost Engineering  3 hrs

Sophomore Year - Summer  10 hrs
GEP  6 hrs
PHY 2049C  General Physics Using Calculus II  4 hrs

Junior Year - Fall  12 hrs
EIN 3314  Work Analysis and Design  3 hrs
ESI 4312  Operations Research  3 hrs
ESI 4628  Decision Support Systems for Industrial Engineers  3 hrs
EGN 3373  Principles of Electrical Engineering  3 hrs

Junior Year - Spring  12 hrs
ESI 4523  Systems Simulation  3 hrs
EIN 4333  Production and Distribution Systems  3 hrs
EIN 4364  Facilities Planning  3 hrs
EIN 4243C  Human Engineering  3 hrs

Junior Year - Summer  9 hrs
GEP  3 hrs
EGN 3343  Thermodynamics  3 hrs

Senior Year - Fall  12 hrs
Approved Technical Elective  3 hrs
EIN 4391  Manufacturing Engineering  3 hrs
ESI 4234  Quality Engineering  3 hrs
ESI 4221  Empirical Methods for Industrial Engineering  3 hrs

Senior Year - Spring  13 hrs
EIN 4891C  Industrial Engineering Senior Design Project  4 hrs
Approved Technical Elective  3 hrs
EGS 4624  Engineering Innovation and Leadership  3 hrs
EIN 4517  Systems Engineering  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: $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
Julie Faris
Phone: 407-823-2341

Admission Requirements
- None
Select 1:  
- MAD 2104 Foundations of Discrete Math or 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs

3. Core Requirements: Basic Level
- None

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:  
- ENC 4293 Documentation and the Collaborative Process or 3 hrs
- ENC 4285 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:  
- 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

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
- 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.

Major specific support courses 1 hr
- CIS 3990 IT Career and Academic Advising I 0 hrs
- CIS 4991 IT Career and Academic Advising II 0 hrs
- CIS 3921 Careers in IT 1 hr

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 12 hrs
- ENC 1101 Composition I 3 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- COP 3223C Introduction to Programming with C 3 hrs

Select 1:  
- 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1114C College Algebra or 3 hrs
- MAC 1146C Pre-Calculus Algebra 3 hrs

Sophomore Year - Fall 16 hrs
- 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 16 hrs
- CGS 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 16 hrs
- COP 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

Junior Year - Spring 15 hrs
- CIS 4524 Managing IT Integration 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology 3 hrs
- GEP 3 hrs
- CGS 3763 Operating System Concepts 3 hrs
Select 1:  
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

Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business 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 overall average in the major.

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: Writing (9 hrs)  

Select 1:  
Required  ECO 2013  Principles of Macroeconomics 3 hrs  
Or  
Required  ECO 2023  Principles of Microeconomics 3 hrs

Select 1:  
Suggested  ANT 2000  General Anthropology or 3 hrs  
Suggested  PSY 2012  General Psychology or 3 hrs  
Suggested  SYG 2000  Introduction to Sociology 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  
FIN 3403 Business Finance 3 hrs  
MAN 3058 Management of Organizations 3 hrs  
MIS 3023 Marketing 3 hrs  

1 Or MAC 2311 and MAC 2312

3. Core Requirements: Basic Level  

None

4. Core Requirements: Advanced Level (52 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 13 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 3203 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 24 hrs
GEB 4522 Data Driven Decision Making 3 hrs
GEB 4513 Applied Business Technologies 3 hrs
MAN 3302 Essentials of Human Resource Management for Integrated Business 3 hrs
GEB 3031 Integrated Business Foundations 3 hrs
MAR 3407 Contemporary Selling 3 hrs
ENT 4412 Managing Small Business Finances 3 hrs
ECP 4703 Managerial Economics 3 hrs
MAN 4583 Project Management 3 hrs
5. Restricted Electives (3 hrs)
Take one class from the list below.
GEB 4941 Internship 3 hrs
ENT 3613 Creativity and Entrepreneurship 3 hrs
GEB 4194 Small Business Development 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 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 prerequisite class.
Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

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 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

Junior Year - Fall 16 hrs
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 13 hrs
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
Elective 2 hrs
### UCF Degree Programs

**Senior Year - Fall**  
16 hrs  
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>GEB 3375</td>
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<tr>
<td>ENT 4412</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>3 hrs</td>
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<tr>
<td>MAR 3407</td>
<td>3 hrs</td>
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<tr>
<td>GEB 4522</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4223</td>
<td>1 hr</td>
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**Senior Year - Spring**  
13 hrs  
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECP 4703</td>
<td>3 hrs</td>
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<tr>
<td>MAN 4720</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4583</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4004</td>
<td>1 hr</td>
</tr>
<tr>
<td>IB 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.oaes.ucf.edu/aic/academic_learning_compacts.htm](http://www.oaes.ucf.edu/aic/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 in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser. The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be 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 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/](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 studies or internships will not be counted towards the major.
- Students must earn at least a “C” (2.0) in each core and restricted elective course.
- Students must consult with an Interdisciplinary Studies 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.

**3. Core Requirements: Basic Level**  
(6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 3933 Cornerstone Experience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>IDS 4934 Capstone Experience</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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 graduation 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

Honor's in Major
- None

Related Programs
- Interdisciplinary Studies - Environmental Studies Track
- Interdisciplinary Studies - Women's 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 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Interdisciplinary Studies - Environmental Studies Track (B.S.)

C 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 track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in 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 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)

   Required:
   - MAC 1105C College Algebra
   - STA 2023 Statistical Methods I

   1 Required course in the core and subject areas.

2. Social Foundations (6 hrs)
   Required:
   - SYG 2000 Introduction to Sociology
   - ECO 2023 Principles of Microeconomics

3. Environment Foundations (8 hrs)
   Required:
   - BSC 2010C Biology I
   - CHM 2045C Chemistry Fundamentals I

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
    - MAC 1105C College Algebra
  - STA 2023 Statistical Methods I

  Select one of the following (3 hrs)
  - GLY 2030 Environmental Geoscience
  - PHY 1038 Physics of Energy and the Environment
  - PSC 1121 Physical Science

  Life Sciences
  - BSC 2010C Biology I
  - BSC 2011C Biology II
  - PCB 3044 Principles of Ecology
  - PCB 3044L Principles of Ecology Laboratory

  Social Science & Humanities
  - SYG 2000 Introduction to Sociology
  - ECO 2023 Principles of Microeconomics

4. Core Requirements: Advanced Level (19 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.
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in 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 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.
Science Concentration

- Note: This subject area is available only to

Interdisciplinary Studies - Environmental Studies track majors.

- 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
- 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

Values, Planning, & Policy Concentration

- Note: This subject area is available only to

Interdisciplinary Studies - Environmental Studies track majors.

- 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
- INR 4351  International Environmental Law  3 hrs
- PAD 3330  Urban and Regional Planning  3 hrs
- PAD 4351  Issues in Environmental Program  3 hrs
- PHI 3033  Philosophy, Religion, and the Environment  3 hrs
- PHI 3640  Environmental Ethics  3 hrs
- PHI 4400  Philosophy of Science  3 hrs
- PHI 4633  Ethics and Biological 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

- None

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 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 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

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 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

International and Global Studies (B.A.)

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

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
- 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/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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2049</td>
<td>Scope and Methods of Political Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except 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  ENS 1101  Composition I  3 hrs
Prefer  ENS 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:
- 3 hrs
- Prefer  MGF 1106  Finite Mathematics or
- Prefer  MGF 1107  Explorations in Mathematics or
- May substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics:
- 3 hrs
- Prefer  STA 2014C  Principles of Statistics or
- Prefer  STA 1063C  Basic Statistics Using Microsoft Excel or
- 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)

2. Common Program Prerequisites (CPP)

3. Core Requirements: Basic Level  (6 hrs)

ECO 2013  Principles of Macroeconomics  3 hrs
POS 2041  American National Government  GEP
INR 2002  International Relations-Theory and Practice  3 hrs

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 4961  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  9 hrs
- Select from the following listing:
  - 3 hrs
  - 3 hrs
  - 3 hrs
  - 3 hrs
  - 3 hrs
  - 3 hrs
  - 3 hrs
  - 3 hrs
  - 3 hrs

Functional  9 hrs
- Select from the following listing:
  - 3 hrs
  - 3 hrs
  - 3 hrs

1 A maximum of 3 hours of Internship can be used.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- 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.
- No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in International and Global Studies, provided that no more than 50% of an Area be covered by such credits.

9. Additional Requirements

- None

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.
UCF Degree Programs

- 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
- 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
- Anthropology
- Economics
- History

Certificates
- None

Related Minors
- Anthropology
- Anthropology in Multicultural Studies
- Diversity and Social Inequality
- Economics
- 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 ~ http://utcsdes.ucf.edu

Freshman Year - Fall 16 hrs
- POS 2041 American National Government 3 hrs
- ENC 1101 Composition I 3 hrs
- WOH 2012 World Civilization I 3 hrs
- GEP-Math 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring 16 hrs
- INR 2002 International Relations-Theory and Practice 3 hrs
- WOH 2022 World Civilization II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall 15 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs
- GEO 3471 World Political Geography 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Foreign Language 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 15 hrs
- CPD 3103 Comparative Politics 3 hrs
- INR 4038 Global Perspectives 3 hrs
- INR 4603 International Relations Theory 3 hrs
- Foreign Language 3 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 13 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs
- POS 4961 Exit Exam 1 hr
- GEP 0 hrs

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

Equipment Fees
- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

UNIVERSITY OF CENTRAL FLORIDA

240  Undergraduate Catalog 2016-2017
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.
- 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 3 hrs
     - Required ENC 1102 Composition II 3 hrs
   - Speech: Select one of the following. 3 hrs
     - Required SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Group 1: Select a course from group 1. 3 hrs
     - 1. U.S. History: 1492-1877 3 hrs
   - Group 2: Select a course from group 2. 3 hrs
   - Group 3: Select a third course from either group 1 or 2. 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Statistics-Computers: 3 hrs
     - Suggested CGS 1060C Introduction to Computers or 3 hrs
     - Suggested STA 2014C Principles of Statistics 3 hrs

   Math: 3 hrs
   - Suggested MGF 1107 Explorations in Mathematics 3 hrs

   D: Social Foundations (6 hrs)
   - Group 1: 3 hrs
     - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   - Group 2: Select a listed course 3 hrs

   E: Science Foundations (6 hrs)
   - Group 1: 3 hrs
     - Prefer POS 2041 American National Government 3 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 3 hrs
- SPC 1603C Fundamentals of Technical Presentations

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 3 hrs
     - SPC 1603C Fundamentals of Technical Presentations

Core 15 hrs
- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.
- JOU 2100C News Reporting and 3 hrs
- JOU 3954 History of American Journalism and 3 hrs
- MMC 3200 Mass Communication Law and 3 hrs
- JOU 3015 Principles of Journalism and 3 hrs
- MMC 2004 Mass Media 3 hrs
UCF Degree Programs

4. Core Requirements: Advanced Level (3 hrs)
   - 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:
     1. MMC 4300 International Media or 3 hrs
     2. MMC 4303 Hispanics in Media in the US or 3 hrs
     3. Any Nicholson School advisor approved upper-division 3 hrs

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.

6. Capstone Requirements (4 hrs)
   - Internships must be approved in advance by the Journalism Area Coordinator

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.
   - 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.
   - Additional Requirements
     - None
   - 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.
   - 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).
   - University Minimum Exit Requirements
     - 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.

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

1. May be taken for a maximum of 3 hours.

Group B: Select from the following: 3 hrs
- JOU 3301 Journalism Readings 3 hrs
- MMC 2004 Mass Media 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
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 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
- GEP-Stat or CS 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall 15 hrs

- MMC 2004 Mass Media 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs

Sophomore Year - Spring 15 hrs

- Apply for admission by Feb 1
- JOU 2100C News Reporting 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs

Junior Year - Fall 16 hrs

- If admitted, take...
- JOU 3004 History of American Journalism 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- RTV 3321 Electronic News Gathering 4 hrs
- Elective-Minor 3 hrs
- Elective-take outside of NSC 3 hrs

Junior Year - Spring 15 hrs

- JOU 3015 Principles of Journalism 3 hrs
- Select 1:
  - MMC 4300 International Media or MMC 4303 Hispanics in Media in the US 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Elective-Minor 3 hrs

Junior Year - Summer 6 hrs

- Restricted Elective-Internship 3 hrs
- Elective take outside of NSC 3 hrs

Senior Year - Fall 15 hrs

- Submit Journalism Portfolio
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs
- Elective-Minor 3 hrs
- Elective-take outside of NSC 3 hrs

Senior Year - Spring 12 hrs

- Capstone 4 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 2 hrs
- 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: $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)

A: Communication Foundations (9 hrs)

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer COM 1000 Introduction to Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- Suggested HUM 2035 Explorations in Mathematics 3 hrs
- Suggested ARH 2050 History of Western Art I 3 hrs
- Select additional course from B.1 3 hrs

C: Mathematical Foundations (6 hrs)

- Prefer MGF 1107 Explorations in Mathematics 3 hrs
- Select one course from C.2 3 hrs

D: Social Foundations (6 hrs)

- Prefer ANT 2000 General Anthropology 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

E: Science Foundations (6 hrs)

- Select 1 course from group E.1 3 hrs
- Prefer ANT 2511 The Human Species 3 hrs

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (3 hrs)

- LAS 3002 Topics in Latin American Studies 3 hrs
UCF Degree Programs

4. Core Requirements: Advanced Level (9 hrs)
LAH 3200 Modern Latin America 3 hrs
LAS 3101 Latin American Popular Culture 3 hrs
LAS 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 4377 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 4461 History of Puerto Rico 3 hrs
- LAH 4480 History of Cuba 3 hrs
- LAH 4742 The Mexican Revolution 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 3673 Modern Art of Mexico 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
- LT 3192 Caribbean Literature 3 hrs
- LT 3381 Women Writers of Color 3 hrs
- LT 3823 Hispanic Women Writers 3 hrs
- LT 3368 Magical Realism in Literature 3 hrs

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
- PUP 3314 Minorities in American Politics 3 hrs

Spanish and Spanish 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 prefixes) courses offered by the Modern Languages Department. The student should give preference to those courses related to Latin American culture and civilization.

6. Capstone Requirements (3 hrs)
Select 1 of the following courses:
- LAS 4910 LAS Capstone 3 hrs
- LAS 4949 Cooperative Education 3 hrs
- LAS 3955 Study Abroad 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
- Computer Competency met by completion of LAS 3002.

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
- Anthropology
- History
- Political Science
- Art - History Track
- Interdisciplinary Studies

Certificates
- None

Related Minors
- International and Global Studies
- International Business
- Journalism Studies
- Mass Communications
- Sociology
Legal Studies (B.A. / B.S.)
Department of Legal Studies,
Health and Public Affairs, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter, Program Coordinator
Rupert Neish II, Program Academic Advisor
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.

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.

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

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
ENC 1101 Composition I 3 hrs
ANT 2000 General Anthropology 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
GEP Course in Mathematical Foundations 3 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
MGF 1107 Explorations in Mathematics 3 hrs

Freshman Year - Summer
- Elective 3 hrs

Sophomore Year - Fall
COM 1000 Introduction to Communication 3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
HUM 2020 Encountering the Humanities 3 hrs
ANT 2511 The Human Species 3 hrs

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 3955 Study Abroad 1 hr
- Elective 3 hrs

Junior Year - Fall
LAS 4023 African Caribbean Experience 3 hrs
- Elective 3 hrs

Junior Year - Spring
LAS 3101 Latin American Popular Culture 3 hrs
- Elective 3 hrs

Junior Year - Summer
- Elective 3 hrs

Senior Year - Fall
- Course in Minor 3 hrs
- Elective 3 hrs

Senior Year - Spring
- Course in Minor 3 hrs
- Elective 3 hrs
- Capstone Course 3 hrs

Senior Year - Summer
- Elective 3 hrs

Required ENC 1102 Composition II 3 hrs
Required ENC 1101 Composition I 3 hrs

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

PLA 3615 Property and Real Estate Law 3 hrs
PLA 4703 Professional Ethics and Liability 3 hrs

PLA 3101 Introduction to Lawyering 3 hrs
PLA 3201 Legal Research 3 hrs
PLA 3203 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

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
# UCF Degree Programs

## 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.

## 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

## 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).

## Electives
- If students chose the following electives, they must complete them with a minimum grade of "C" (2.0): PLA 4020, PLA 4240, PLA 4910.

## Additional Requirements

### Required Minors
- None

### 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.

## University Minimum Exit Requirements
- 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 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_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
Management (B.S.B.A.)
College of Business Administration
Department of Management,
Business Administration I, Room: 309
http://business.ucf.edu/undergraduate-programs

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-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, and 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.
- For 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 Management must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- 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 Management major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Management (MAN) and Entrepreneurship (ENT) courses taken at UCF. Students must also maintain 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 Management 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.

Requirements for the Management Major

Degree Requirements
- Students must earn a “B” or higher in MAN 3025. 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)

A: Communication Foundations
- Select 1: 3 hrs
  - Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations
- Select 1: 3 hrs
  - Prefer ANT 2000 General Anthropology or
  - Prefer PSY 2012 General Psychology or
  - Prefer SYG 2000 Introduction to Sociology

C: Mathematical Foundations
- Required CGS 2100C Computer Fundamentals for Business
- Required MAC 1105C College Algebra

D: Social Foundations
- Select 1: 3 hrs
  - Prefer ECO 2013 Principles of Macroeconomics or
  - Prefer ECO 2023 Principles of Microeconomics

Select one of the following sequences of courses:

1. 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
   - or STA 2023 Statistical Methods I 3 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

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (43 hrs)

Primary Core
- Select 1: 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
- Select 1: 13 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 3203 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
- Select 1: 15 hrs
  - MAN 4350 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
- GEB 4435 Moral Foundations of Business or
- MAN 4209 Designing Dynamic Organizations or
- MAN 3301 Strategic Human Resource Management or
- MAN 4320 Human Resources Recruitment and Selection or
- MAN 4329 Business Analytics in Human Resource Management or

Any MAN or ENT course 3 hrs

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 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 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
- MAN 4904H Honors Directed Reading II

Required Honors Thesis 3 hrs
- MAN 4970H Undergraduate Honors Thesis

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 of 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 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

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 Microeconomics 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
Marketing (B.S.B.A.)

College of Business Administration

Department of Marketing,

Business Administration II, Room: 307S

http://business.ucf.edu/undergraduate-programs

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 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 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 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- 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 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 MAR 3023. 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
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   - Required CGS 2100C Computer Fundamentals for Business
   - Required MAC 1105C College Algebra
   D: Social Foundations (6 hrs)
   - Select 1: (3 hrs)
   - Prefer ECO 2013 Principles of Macroeconomics or
   - Prefer ECO 2023 Principles of Microeconomics
   - Select 1: (3 hrs)
   - Suggested PSY 2011 General Psychology or
   - Suggested ANT 2001 General Anthropology or
   - Suggested SYG 2001 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 both MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.
     ECO 3401 Quantitative Business Tools I
     ECO 3411 Quantitative Business Tools II
     or
     1 MAC 2233 Concepts of Calculus and
     STA 2023 Statistical Methods I
3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (55 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 3003 Career Research & Planning 1 hr
   - GEB 3005 Career Search Strategy 1 hr
   - BUL 3130 Legal and Ethical Environment of Business 3 hrs
   - GGB 3375 Introduction to International Business 3 hrs
   - MAR 3203 Supply Chain and Operations Management 3 hrs
   - GEB 4223 Business Interviewing Techniques 1 hr
   - GEB 4004 Executing Your Career Plan 1 hr

5. Required Courses for Major
   **Marketing Management Track: Required** 24 hrs
   - Take all of the following:
     - MAR 3615 Marketing Analysis 3 hrs
     - MAR 3391 Professional Selling 3 hrs
     - MAR 3503 Consumer Behavior 3 hrs
     - MAR 3613 Marketing Research 3 hrs
     - MAR 3721 Digital Media Marketing 3 hrs
     - MAR 4832 Product Management 3 hrs
     - MAR 4804 Marketing Strategy 3 hrs
     - MAR 4418 Strategic Sales Force Management 3 hrs
   **Marketing Management Track: Electives** 3 hrs
   - Select 1: 3 hrs
     - MAR 4841 Services Marketing or 3 hrs
     - MAR 4941 Internship Marketing 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 3615 Marketing Analysis 3 hrs
     - MAR 3391 Professional Selling 3 hrs
     - MAR 3503 Consumer Behavior 3 hrs
     - MAR 3613 Marketing Research 3 hrs
     - MAR 3721 Digital Media Marketing 3 hrs
     - MAR 4418 Strategic Sales Force Management 3 hrs
     - MAR 4804 Marketing Strategy 3 hrs
     - MAR 4415C Advanced Professional Selling 3 hrs
     - MAR 4413C Strategic Issues in Sales 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
   - None
   - None
   - Variable

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.
Marketing: Professional Selling Track

Senior Year - Fall 16 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
MAR 3721 Digital Media Marketing 3 hrs
MAR 4415C Advanced Professional Selling 3 hrs
MAR 4418 Strategic Sales Force Management 3 hrs
MAR 3613 Marketing Research 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring 13 hrs
MAR 4804 Marketing Strategy 3 hrs
MAR 4413C Strategic Issues in Sales 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
MAR 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.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Mathematics (B.S.)

Department of Mathematics,
Mathematical Sciences Building, Room: 207
http://math.ucf.edu
Dr. Joseph Brennan, MSB 212, Joseph.Brennan@ucf.edu, 407-823-0147

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 4212 Modern Geometries 4 hrs
  - MHF 4404 History of Mathematics 3 hrs

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)
UCF Degree Programs

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 Using Calculus I 4 hrs
- Suggested CHM 2045C Chemistry Fundamentals I 4 hrs

AND
- Suggested BSC 2010C Biology I 4 hrs

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.
- COP 3502C Computer Science I GEP
- 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

Select from the courses listed in the GEP Program (4 hrs)
- CHM 2045C Chemistry Fundamentals I or GEP
- BSC 2010C Biology I or GEP
- PHY 2048C General Physics Using Calculus I GEP

3. Core Requirements: Basic Level (22 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.
- Selection of the Science sequence may need to reflect the student’s track. Consult the requirements of the track before selecting the science sequence.
- The Mathematical Biology track requires all three of the CHM 2045/2046/2047, the BSC 2010/2011C, and the PHY 2048/2049C sequences.
- The Engineering/Physics track requires the PHY 2048/2049C sequence.

Core: Basic Requirements
- COP 3502C Computer Science I and GEP/CPP
- MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
- MAC 2312 Calculus with Analytic Geometry II and GEP/CPP
- MAC 2313 Calculus with Analytic Geometry III and GEP/CPP
- MAP 2302 Ordinary Differential Equations I GEP/CPP

Core: Science Sequence:
Select from the following (4 hrs)
- CHM 2045C Chemistry Fundamentals I and GEP/CPP
- CHM 2046 Chemistry Fundamentals II and GEP/CPP
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2010C Biology I and GEP/CPP
- BSC 2011C Biology II 4 hrs
- PHY 2048C General Physics Using Calculus I and GEP/CPP
- PHY 2049C General Physics Using Calculus II 4 hrs

Core: Additional Requirements (18 hrs)
- Substitution of COT 3100 for MHF 3302 is possible with approval of Department Undergraduate Coordinator.
- MAA 4226 Advanced Calculus I 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3106 Linear Algebra 4 hrs
- MAS 4301 Abstract Algebra I 3 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs

4. Core Requirements: Advanced Level
- None

5. Restricted Electives
- Students must select one of the following tracks.

A. General Mathematics Track (18 hrs)
- Select 3 credit hour from 4000 or 5000 level courses with an MAA, MAD, MAS or MTG prefix offered by the Department of Mathematics
- Select 3 credit hour from 4000 or 5000 level courses with an MAA, MAD, MAS or MTG prefix offered by the Department of Mathematics, except MTG 4212.
- Select an additional 12 credits from 4000 or 5000 level courses offered by the Department of Mathematics except MTG 4212 or MHP 4404.

B. Mathematical Biology Track (42 hrs)
- Track Prerequisites: BSC 2010C GEP/CPP and BSC 2011C GEP and CHM 2045C GEP (Notes: or the two semester equivalent CHM 2040/2041)
- CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
- PHY 2048C General Physics Using Calculus I and 4 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs

Take all of the following:
- 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 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 9 hrs
- 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:
- ECO 2013 Principles of Macroeconomics and 3 hrs
- ECO 3101 Intermediate Microeconomics and 3 hrs
- ECO 3203 Intermediate Macroeconomics and 3 hrs
- ECO 3410 Mathematical Economics and 3 hrs
- ECO 4412 Econometrics 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 3 hrs

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:
- 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

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### E. Engineering/Physics Track

**Track Prerequisites:**
- PHY 2048C Physics for Engineers & Scientists I (GEP/CPP) or PHY 2049C Physics for Engineers & Scientists II (GEP/CPP)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics and Statics</td>
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<tr>
<td>EMA 4402</td>
<td>Introduction to Complex Variables and Applications</td>
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<td>MAP 4103</td>
<td>Mathematical Modeling I</td>
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<td>MAP 4303</td>
<td>Ordinary Differential Equations II</td>
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<tr>
<td>MAP 4341</td>
<td>Introduction to Partial Differential Equations</td>
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<td>PHY 3101</td>
<td>General Physics Using Calculus III</td>
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<td>COT 4500</td>
<td>Numerical Calculus</td>
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<tr>
<td>MAP 4371</td>
<td>Numerical Methods for Differential Equations</td>
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<td>MAP 4384</td>
<td>Numerical Methods for Computational Sciences</td>
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<td>PHZ 3515</td>
<td>Computer Methods in Physics</td>
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<td>Engineering Analysis-Statics</td>
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<td>PHY 3220</td>
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<td>EGN 3343</td>
<td>Thermodynamics</td>
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<td>EGN 3358</td>
<td>Thermo-Fluids-Heat Transfer</td>
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<td>PHY 3513</td>
<td>Thermal and Statistical Physics</td>
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<td>CES 4100C</td>
<td>Structural Analysis I and Lab</td>
<td>4 hrs</td>
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<td>EAS 3101</td>
<td>Fundamentals of Aerodynamics</td>
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<td>EEL 3004C</td>
<td>Electrical Networks</td>
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<td>Solid Mechanics</td>
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<td>EGN 3331C</td>
<td>Mechanics of Materials</td>
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<td>ESI 4312</td>
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<td>CWR 3201</td>
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<td>EAS 4105</td>
<td>Flight Mechanics</td>
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<td>EAS 4200</td>
<td>Analysis &amp; Design of Aerospace Structures</td>
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<td>Analog and Digital Communication Fundamentals</td>
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<td>EEL 3657</td>
<td>Linear Control Systems</td>
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<td>EEL 3801C</td>
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<td>EEL 4742C</td>
<td>Embedded Systems</td>
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<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals</td>
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<td>EEL 4832</td>
<td>Engineering Applications of Computer Methods</td>
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<td>EEL 4851C</td>
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<td>EGN 3365</td>
<td>Structure and Properties of Materials</td>
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<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
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<td>EIN 4333</td>
<td>Production and Distribution Systems</td>
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<td>EMA 4223</td>
<td>Fundamentals of Mechanical Behavior of Materials</td>
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<td>EML 3262</td>
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<td>Fluid Mechanics I</td>
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<td>EML 4142</td>
<td>Heat Transfer</td>
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<td>EML 4225</td>
<td>Introduction to Vibrations and Controls</td>
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<td>ESI 4234</td>
<td>Quality Engineering</td>
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<td>ESI 4523</td>
<td>Systems Simulation</td>
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<td>Electricity and Magnetism I</td>
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<td>PHY 4324</td>
<td>Electricity and Magnetism II</td>
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<tr>
<td>STA 4321</td>
<td>Statistical Theory I</td>
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<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
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<td>MAD 4203</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>MAD 4301</td>
<td>Introduction to Graph Theory</td>
<td>3 hrs</td>
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UCF Degree Programs

- 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
- 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
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- ENC 1102 Composition II 3 hrs
- ECU 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 3002C 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
- MAD 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
- Elective 3 hrs

Junior Year - Spring 14 hrs
- MAD 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 4030H 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 4030H 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Mathematics Education (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
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 Mathematics Education B.S. 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 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.
- 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) (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 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
General Education Program elective: Prefer a second course from GEP section B1 3 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)
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:
- Prefer ANT 2511 The Human Species or 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (17 hrs)

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

1. EDF 2085 Introduction to the Teaching Profession 3 hrs
2. EDF 2085 Introduction to Diversity for Educators 3 hrs
3. EME 2040 Introduction to Technology for Educators 3 hrs
4. MAC 2311C Calculus with Analytic Geometry I GEP 4 hrs
5. MAC 2312 Calculus with Analytic Geometry II GEP 4 hrs
6. MAC 2313 Calculus with Analytic Geometry III GEP 4 hrs

1 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 (9 hrs)
MAC 2311C Calculus with Analytic Geometry I GEP
STA 2023 Statistical Methods I GEP
MAC 2312 Calculus with Analytic Geometry II CPP
MAC 2313 Calculus with Analytic Geometry III CPP
MAP 2302 Ordinary Differential Equations I 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

4. Core Requirements: Advanced Level (57 hrs)

Students should see an advisor prior to registering for classes.

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 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
General Education Program elective: Prefer a second course from GEP section B1 3 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)
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:
- Prefer ANT 2511 The Human Species or 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (17 hrs)

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

1. EDF 2085 Introduction to the Teaching Profession 3 hrs
2. EDF 2085 Introduction to Diversity for Educators 3 hrs
3. EME 2040 Introduction to Technology for Educators 3 hrs
4. MAC 2311C Calculus with Analytic Geometry I GEP 4 hrs
5. MAC 2312 Calculus with Analytic Geometry II GEP 4 hrs
6. MAC 2313 Calculus with Analytic Geometry III GEP 4 hrs

1 Prerequisite to Internship I

Education Track Specialization Requirements (23 hrs)

A: A grade of “C-” (1.75) or better is required.

1. MAS 3015 Matrix and Linear Algebra 4 hrs
2. MAC 3203 Introduction to Number Theory 3 hrs
3. MHF 3302 Logic and Proof in Mathematics 3 hrs
4. MTG 4212 Modern Geometries 4 hrs
5. STA 4163 Statistical Methods II 3 hrs
6. MAE 4634 Programs in Teaching of Mathematics 3 hrs
7. MAE 3366 Middle and High School Mathematics for Teaching 3 hrs

1 Prerequisite to Internship I

Internship I Block (7 hrs)

Prior to Internship I, the student must have completed EDG 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.

Passing score on the General Knowledge Test should be achieved before application to Internship I.

Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, EEX 4242 Teaching Exceptional Students in Secondary Settings, and RED 4043 Content Reading in Kindergarten through Grade 12.

Lifelong Learning Track: MAE 4634 Programs in Teaching of Mathematics 3 hrs

1 Prerequisite to Internship I

Education Track Requirements

Education Track (6 hrs)

EDF 2130 Child and Adolescent Development for Educators 3 hrs
MAC 2311C Calculus with Analytic Geometry I GEP 3 hrs
STA 2023 Statistical Methods I GEP 3 hrs
MAC 2312 Calculus with Analytic Geometry II CPP 3 hrs
MAC 2313 Calculus with Analytic Geometry III CPP 3 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs

MAE 3366 Middle and High School Mathematics for Teaching 3 hrs

1 Prerequisite to Internship I
UCF Degree Programs

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.
■ Passing scores on all sections [General Knowledge, Professional, and Subject Area (Mathematics 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.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.

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
MIF 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 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 4 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

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 13 hrs
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 16 hrs
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 (Select course from section B1) 3 hrs

Select 1: 3 hrs
ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs
## UCF Degree Programs

### Freshman Year - Summer
- MAC 2313: Calculus with Analytic Geometry III (4 hrs)
- PSY 2012: General Psychology (3 hrs)

### Select 1:
- MUL 2100: Theatre Survey or (3 hrs)
- THE 2000: Theatre Survey or (3 hrs)
- PHI 2100: Introduction to Philosophy (3 hrs)

### Freshman Year - Summer (Education Track)
- 10 hrs

### Sophomore Year - Fall
- EDF 2005: Introduction to the Teaching Profession (3 hrs)
- MAP 2302: Ordinary Differential Equations I (3 hrs)
- POS 2041: American National Government (3 hrs)
- STA 2023: Statistical Methods I (3 hrs)

### Education Track
- 3 hrs
- MHF 3302: Logic and Proof in Mathematics (3 hrs)

### Sophomore Year - Spring
- 16 hrs
- EME 2040: Introduction to Technology for Educators (3 hrs)
- EDF 2085: Introduction to Diversity for Educators (3 hrs)

### Education Track
- 10 hrs
- 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
- 7 hrs
- STA 2023: Statistical Methods I (3 hrs)

### Junior Year - Fall
- 12 hrs
- EDF 4467: Learning Theory and Assessment Management (3 hrs)
- EEX 4242: Teaching Exceptional Students in Secondary Settings (3 hrs)

### Education Track
- 3 hrs
- STA 4163: Statistics Methods II (3 hrs)

### Lifelong Learning Track
- 3 hrs
- Choose Lifelong Learning Specialization course (3 hrs)

### Junior Year - Spring
- 16 hrs
- EME 2040: Introduction to Technology for Educators (3 hrs)
- EDF 2085: Introduction to Diversity for Educators (3 hrs)

### Education Track
- 10 hrs
- 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
- 7 hrs
- MHS 2330: Career Planning and (3 hrs)

### Select 1:
- 3 hrs
- EDF 2130: Child and Adolescent Development for Educators (3 hrs)
- EDP 2270: Adult Development & Learning (3 hrs)

### Senior Year - Fall
- 14 hrs
- EDF 4603: Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)

### Education Track
- 11 hrs
- MTG 4212: Modern Geometries (4 hrs)
- MAE 4360: Mathematics Instructional Analysis (4 hrs)
- MAE 3940: Internship (3 hrs)

### Lifelong Learning Track
- 11 hrs
- Choose Lifelong Learning Specialization courses (11 hrs)

### Senior Year - Spring
- 12 hrs
- EDF 4603: Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)

### Education Track
- 12 hrs
- MAE 4940: Internship (9 hrs)
- ESE 4033C: Critical Issues and Trends in Secondary Education (3 hrs)

### Lifelong Learning Track
- 12 hrs
- Choose Lifelong Learning Specialization courses (12 hrs)

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### 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](http://www.mae.ucf.edu)

**Email:** mmaeugrad@ucf.edu

Dr. Hyoung Jin "Joe" Cho, hjcho@ucf.edu, 407-823-5014

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 by 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 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 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.
# UCF Degree Programs

## A: Communication Foundations

<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>
</tbody>
</table>

### Select 1:

<table>
<thead>
<tr>
<th>Preffered</th>
<th>SPC 1603C</th>
<th>Fundamentals of Technical Presentations or Communication</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested</td>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

## B: Cultural & Historical Foundations

### Select 2 courses from Historical Foundations

- 6 hrs

### Select one class from Cultural Foundations

- 3 hrs

## C: Mathematical Foundations

### Required

| MAC 2311C | Calculus with Analytic Geometry I | 4 hrs |
| STA 3032  | Probability and Statistics for Engineers | 3 hrs |

### Select 1:

| Select one class from Science Foundations | 3 hrs |

## D: Social Foundations

### Select 1:

| Select two courses from Historical Foundations | 6 hrs |
| Select one class from Social Foundations      | 3 hrs |

## E: Science Foundations

### Required

| PHY 2046C | 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.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1. Required Courses:

   - MAC 2311C Calculus with Analytic Geometry I
   - MAC 2312 Calculus with Analytic Geometry II
   - MAC 2313 Calculus with Analytic Geometry III
   - MAP 2302 Ordinary Differential Equations I
   - PHY 2048C General Physics Using Calculus I
   - PHY 2049C General Physics Using Calculus II

### Approved Electives

- 18 hrs

## 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.

## 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
- 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

- Aerospace Engineering

## Certificates

- None

## Related Minors

- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

## Advising Notes

- Double Degree/Double Major requirements listed under the college section of the catalog.
UCF Degree Programs

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.
- EML 3933 Mechanical Career and Academic Faculty Advising I 0 hrs
- EML 4931 Mechanical Career and Academic Faculty Advising II 0 hrs

Transfer Notes
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses will be substituted by an approved Mechanical Engineering technical elective for transfer students.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
- 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: 4 hrs
- CHS 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHM 2040 Chemistry Fundamentals IA 3 hrs

Senior Year - Fall 15 hrs
- EML 4142 Heat Transfer 3 hrs
- EML 4143 Heat Transfer II or 3 hrs
- EML 4301C Engineering Design I 3 hrs
- EML 4931 Mechanical Career and Academic Faculty Advising II 0 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

Junior Year - Spring 15 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 3034C Introduction to Vibration 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 4931 Mechanical Career and Academic Faculty Advising II 0 hrs

Select 1 3 hrs
- EML 4301C Mechanical Systems Lab or 3 hrs
- EML 4306C Energy Systems Lab or 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

Medical Laboratory Sciences (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu

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 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).
### UCF Degree Programs

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida 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 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)**

| A: Communication Foundations                  | 9 hrs |
| B: Cultural & Historical Foundations         | 9 hrs |
| C: Mathematical Foundations                  | 6 hrs |

- Prefer MAC 1105C College Algebra 3 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 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.

| BSC 2010C Biology I                          | GEP   |
| STA 2023 Statistical Methods I               | GEP   |
| 1 ZOO 3733C Human Anatomy                    | 4 hrs |
| 1 MCB 3020C General Microbiology             | 5 hrs |
| 1 PCB 3703C Human Physiology                 | 4 hrs |

#### Take all of the following: **4 hrs**

| CHM 2045C Chemistry Fundamentals I and       | GEP   |
| CHM 2046 Chemistry Fundamentals II and       | 3 hrs |
| CHM 2046L Chemistry Fundamentals Laboratory  | 1 hr  |

#### Take all of the following: **8 hrs**

| CHM 2210 Organic Chemistry I and             | 3 hrs |
| CHM 2211 Organic Chemistry II and            | 3 hrs |
| CHM 2211L Organic Laboratory Techniques I    | 2 hrs |

1. See Transfer Notes

#### 3. Core Requirements: Basic Level

- None

#### 4. Core Requirements: Advanced Level **(64 hrs)**

| MLS 3220C Techniques in Clinical Microscopy   | 3 hrs |
| MLS 4625 Advanced Clinical Chemistry I        | 3 hrs |
| MLS 4630 Advanced Clinical Chemistry II       | 3 hrs |
| PCB 3233 Immunology                          | 3 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 3305L Hematology Lab                     | 1 hr  |
| MLS 4933 Medical Technology Seminar          | 2 hrs |
| MLS 3705 Concepts in Education/Management    | 3 hrs |
| MLS 4830L Interpreptive & Practical Clinical Chemistry | 4 hrs |
| MLS 4831L Interpreptive & Practical Immunohematology | 4 hrs |
| MLS 4832L Interpreptive & Practical Hematology | 4 hrs |
| MLS 4833L Diagnostic Microbiology             | 4 hrs |
| CGS 1060C Introduction to Computers           | 3 hrs |
| BSC 3403C Quantitative Biological Methods     | 4 hrs |

#### 5. Required 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

#### 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Anatomy and Physiology I and II (BSC 2093/BSC 2094)</td>
<td>8 hrs</td>
</tr>
<tr>
<td>MCB 3020C General Microbiology</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

#### Plan of Study

**Freshman Year - Fall**
- MAC 1105C College Algebra 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- GEP 9 hrs

**Freshman Year - Spring**
- CHM 2046 Chemistry Fundamentals II and 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

**Sophomore Year - Fall**
- CHM 2210 Organic Chemistry I and 3 hrs
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

**Sophomore Year - Spring**
- MAC 2206C College Algebra 3 hrs
- CHM 2210 Organic Chemistry I and 3 hrs
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

**Junior Year - Fall**
- CHM 3210 Organic Chemistry III and 3 hrs
- CHM 3211 Organic Chemistry IV and 3 hrs
- CHM 3211L Organic Laboratory Techniques II 2 hrs
- CHM 3212 Organic Chemistry V and 3 hrs
- CHM 3212L Organic Laboratory Techniques III 2 hrs

**Junior Year - Spring**
- CHM 3213 Organic Chemistry VI and 3 hrs
- CHM 3213L Organic Laboratory Techniques IV 2 hrs
- CHM 3214 Organic Chemistry VII and 3 hrs
- CHM 3214L Organic Laboratory Techniques V 2 hrs

**Senior Year - Fall**
- CHM 3215 Organic Chemistry VIII and 3 hrs
- CHM 3215L Organic Laboratory Techniques VI 2 hrs
-split into required and related courses.

**Senior Year - Spring**
- CHM 3216 Organic Chemistry IX and 3 hrs
- CHM 3216L Organic Laboratory Techniques VII 2 hrs
- CHM 3217 Organic Chemistry X and 3 hrs
- CHM 3217L Organic Laboratory Techniques VIII 2 hrs

**Total Semester Hours**
- 126
### UCF Degree Programs

**Freshman 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 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 3 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 3305 Hematology 3 hrs  
- MLS 3305L Hematology Lab 1 hr  
- MLS 4630 Advanced Clinical Chemistry II 3 hrs  
- MLS 4460L Clinical Pathogenic Microbiology Lab 1 hr  

**Senior Year - Fall**  
16 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  

**Senior Year - Spring**  
13 hrs  
- MLS 4910 Introduction to Clinical Research 1 hr  
- MLS 4503C Immunodiagnostics 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.oeas.ucf.edu/aalc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aalc/academic_learning_compacts.htm)  

**Equipment Fees**  
- Part-Time Student: $39 per term  
- Full-Time Student: $78 per term  

### Music (B.A.)  
**College of Arts and Humanities**  
**Department of Music,**  
**Performing Arts Center, Room: M203**  
[http://music.cah.ucf.edu](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](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](http://performingarts.cah.ucf.edu/music/resources)) for details on program standards.  

1. **UCF General Education Program (GEP)**  
   - (see General Education Program for detailed information)  
   - 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**  
     - 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**  
     - Math (3 hrs)  
     - Suggested MGF 1107 Explorations in Mathematics 3 hrs  
     - Suggested MGF 1106 Finite Mathematics or 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)**  
     - 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  
   - 1 MUS 2360C Introduction to Music Technology 3 hrs  
   - MUH 3633 Music in the United States 3 hrs  
   - MUL 2720 Music of the World 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 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  

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**UNIVERSITY OF CENTRAL FLORIDA**
### UCF Degree Programs

#### Restricted Electives-Non-Music 18 hrs
- Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

#### 6. 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
- None

### 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
  - 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 0 hrs
  - MUN XXXX Ensemble 1 hr
  - MVX 141X Performance I 2 hrs
  - GEP E.1. Science Foundation 3 hrs
  - MUH 3633 Music in the United States 3 hrs

#### Freshman Year - Spring
- 14 hrs
  - ENC 1102 Composition II 3 hrs
  - MUT 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
  - MUT 2127 Music Theory and Musicianship III 4 hrs
  - MVK 2121 Class Piano III 1 hr
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUN XXXX Ensemble 1 hr
  - Foreign Language Elementary Level I 4 hrs

#### Sophomore Year - Spring
- 16 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs
  - MVK 2122 Class Piano IV 1 hr
  - STA 1101L Finite Mathematics 3 hrs
  - MUN XXXX Ensemble 1 hr
  - Foreign Language Elementary Level II 4 hrs
  - MUL 2720 Music of the World 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
  - 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
  - XXX 3/4XXX Non-Music Restricted Elective 3 hrs
  - XXX 3/4XXX Non-Music Restricted Elective 3 hrs

#### Senior Year - Spring
- 12 hrs
  - MUT 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.oelas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oelas.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

Take all of the following: 6 hrs
- Required ENC 1101 Composition I and
- Required ENC 1102 Composition II

B: Cultural & Historical Foundations (9 hrs)
- Required MUL 2016 Evolution of Jazz
- Select one course from B.1 list
- Required MUL 2720 Music of the World

C: Mathematical Foundations (6 hrs)
- Math
  - Suggested MGF 1106 Finite Mathematics or
  - Suggested MGF 1107 Explorations in Mathematics

Statistics - Computers 3 hrs
- Select a course from GEP C.2 list

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

1 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

1 Four semesters for total 4 hrs

3. Core Requirements: Basic Level (6 hrs)
- MUS 2360C Introduction to Music Technology 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUL 2016 Evolution of Jazz GEP
- MUL 2720 Music of the World GEP
- MUH 3633 Music in the United States 3 hrs

1 Eight semesters

4. Core Requirements: Advanced Level (54 hrs)
- MUT 3170 Jazz Theory I 3 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUS 4330 Music Business and Industry 3 hrs
- MUH 4814 Jazz Styles and Analysis 3 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUS 4954 Recital Performance II 0 hrs

Select: 3 hrs
- MUH 3211 Music History and Literature I or
- MUH 3212 Music History and Literature II

1 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

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
UCF Degree Programs

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
MVS 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

5. Restricted Electives
- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUL, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

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
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course
- Computer Competency met by the following course, or departmental examination:
  MUS 2360C Introduction to Music Technology 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.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music Education
- Music
- Theatre

Certificates
- None

Related Minors
- Music
- Theatre
- Digital Media

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
- Program A: Jazz Trumpet, Trombone, Saxophone

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MUN 3713 Jazz Ensemble 1 hr
MVK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MVX 141X Performance I 2 hrs
MUH 3633 Music in the United States 3 hrs

Freshman Year - Spring 17 hrs
ENC 1102 Composition II 3 hrs
MUT 1112 Music Theory and Musicianship II 4 hrs
MUN 3713 Jazz Ensemble 1 hr
MVK 1112 Class Piano II 1 hr
MUS 1010 Music Forum 0 hrs
MUL 206 Evolution of Jazz 3 hrs
MVX 141X Performance I 2 hrs
Science Foundation 3 hrs

Sophomore Year - Fall 17 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUN 3713 Jazz Ensemble 1 hr
MVK 2121 Class Piano III 1 hr
MUT 3170 Jazz Theory I 3 hrs
MUS 1010 Music Forum 0 hrs
MVS 2360C Introduction to Music Technology 3 hrs
MVX 242X Performance II 2 hrs

Sophomore Year - Spring 14 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MUN 3713 Jazz Ensemble 1 hr
MVK 2122 Class Piano IV 1 hr
MUT 3171 Jazz Theory II 3 hrs
MUS 1010 Music Forum 0 hrs
MUL 2720 Music of the World 3 hrs
MVX 242X Performance II 2 hrs
Professional Sequence Entrance Review

Junior Year - Fall 16 hrs
MUT 3923 Jazz Workshop 3 hrs
MUS 1010 Music Forum 0 hrs
MGF 1106 Finite Mathematics 3 hrs
Cultural & Historical Foundation 3 hrs
MVX 343X Performance III 3 hrs
MUX 3XXX Restricted Elective 3 hrs
MUX 3XXX Restricted Elective 1 hr

Junior Year - Spring 13 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
MUH 3211 Music History and Literature I 3 hrs
MUT 3923 Jazz Workshop 3 hrs
MUS 3953 Recital Performance I 0 hrs
MVX 343X Performance III 3 hrs
MUS 4320 Music Business and Industry 3 hrs

Senior Year - Fall 16 hrs
MUS 1010 Music Forum 0 hrs
MUT 3923 Jazz Workshop 3 hrs
MUH 4814 Jazz Styles and Analysis 3 hrs
Social Foundation 3 hrs
MVX 444X Performance IV 4 hrs
Science Foundation 3 hrs

Senior Year - Spring 13 hrs
MUS 1010 Music Forum 0 hrs
MUT 3923 Jazz Workshop 3 hrs
MUS 4320 Music Business and Industry 3 hrs
MUS 4954 Recital Performance II 0 hrs
Social Foundation 3 hrs
MVX 444X Performance IV 4 hrs
Social Foundation 3 hrs
Program B: Jazz Piano, Guitar, Bass, Drum Set

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVX 1XXX Performance I 2 hrs
- MVX 121X Secondary Performance 1 hr

Freshman Year - Spring 17 hrs
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- MVX 1XXX Performance I 2 hrs

Sophomore Year - Fall 17 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVK 1121 Class Piano III 1 hr
- MUS 3170 Jazz Theory I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MGF 1106 Finite Mathematics 3 hrs
- MVX 2XXX Performance II 2 hrs

Sophomore Year - Spring 14 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVK 1122 Class Piano IV 1 hr
- MUS 3171 Jazz Theory II 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 13 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 3XXX Performance III 3 hrs
- MVX 3/4XXX Restricted Electives 3 hrs
- Science Foundation 3 hrs

Junior Year - Spring 15 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MVK 3923 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

Senior Year - Fall 16 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUH 4814 Jazz Styles and Analysis 3 hrs
- Social Foundation 3 hrs
- MVX 4XXX Performance IV 4 hrs
- Science Foundation 3 hrs

Senior Year - Spring 13 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- MUS 4954 Recital Performance II 0 hrs
- MVX 4XXX Performance IV 4 hrs
- GEP D.2 Social Foundation 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 - 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

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. 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 60 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.
- 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

B: Cultural & Historical Foundations (9 hrs)
- Required MUH 3211 Music History and Literature I 3 hrs
- Select one course from B.1 list 3 hrs
- Required MUL 2720 Music of the World 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
### C: Mathematical Foundations  
**Math**  
Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics  
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

### 3. Core Requirements: Basic Level  
**Math**  
Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics  
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

### 4. Core Requirements: Advanced Level  
**Professional Sequence Requirements:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MU5 3633 Music in the United States</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 2360C Introduction to Music Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUC 1101C Composition I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUC 2104C Composition II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUL 2720 Music of the World</td>
<td>GEP</td>
</tr>
<tr>
<td>MUG 3104 Basic Conducting</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUS 3211 Music History and Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 3212 Music History and Literature II</td>
<td>GEP</td>
</tr>
<tr>
<td>MUT 4571 Analysis of Twentieth-Century Music</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN XXXX Major Ensemble (four semesters)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>students take MUN 3453; guitar students take MUN 3483</td>
<td></td>
</tr>
<tr>
<td>MVX 141X Performance I (two semesters)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVX 242X Performance II (two semesters)</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives  
- Any secondary performance course not in area of major instrument, or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

### 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
- 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 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 better in each Music course.
- Computer Competency met by the following or departmental examination: MUT 2121 Music Theory and Musicianship I 4 hrs
- MUT 2122 Music Theory and Musicianship II 4 hrs
- MUT 2123 Music Theory and Musicianship III 4 hrs
- MUT 2124 Music Theory and Musicianship IV 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 Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Music Education
- Music
- Theatre

### Certificates
- None

### Related Minors
- Music
- Digital Media
- 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
### UCF Degree Programs

**Music - Music Performance Track (B.M.)**

**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

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**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.
- Completion of the following courses:
  - MUS 2360C Introduction to Music Technology 3 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs

**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/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
   - Communication

   **Take all of the following:** 6 hrs
   - Required ENC 1101 Composition I and
   - Required ENC 1102 Composition II 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Required MUH 3211 Music History and Literature I 3 hrs
   - Select one course from B.1 list 3 hrs
   - Performance students must present two faculty-approved public recitals.
   - Required MUL 2720 Music of the World 3 hrs

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**Plan of Study** (120 hrs)

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
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</tr>
<tr>
<td>MUC 112</td>
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<tr>
<td>MVK 1111</td>
<td>1 hr</td>
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<tr>
<td>MUS 1010</td>
<td>0 hrs</td>
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<tr>
<td>MUN XXXX Maj Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVX 141X Performance I</td>
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<td>MUC 3633</td>
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<tr>
<td>ENC 1102</td>
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<tr>
<td>MUC 1122</td>
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<tr>
<td>MVK 1112</td>
<td>1 hr</td>
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<tr>
<td>MUS 2360C</td>
<td>3 hrs</td>
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<tr>
<td>MVX 141X Performance I</td>
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<td>MUN XXXX Maj Ensemble</td>
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<td>Science Foundation</td>
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<tr>
<td>SPC 1608</td>
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<tr>
<td>MUC 2126</td>
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<tr>
<td>MVK 2121</td>
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<tr>
<td>MUT 2101C</td>
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<td>MUG 3104</td>
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<tr>
<td>MUS 1010</td>
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<td>MVX 242X</td>
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<tbody>
<tr>
<td>MUT 2127</td>
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<tr>
<td>MVK 2122</td>
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<td>MUC 2014</td>
<td>1 hr</td>
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<tr>
<td>MUS 1010</td>
<td>0 hrs</td>
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<td>MUL 2720</td>
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<thead>
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<th>Junior Year - Fall</th>
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<tbody>
<tr>
<td>MUH 3211</td>
<td>3 hrs</td>
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<tr>
<td>MUT 4571</td>
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<tr>
<td>MUC 3105C</td>
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<tr>
<td>MUS 1010</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUX 3/4XXX</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cultural/Historical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>1 hr</td>
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<td>STA 1063C</td>
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<tr>
<td>MUC 3105C</td>
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</tr>
<tr>
<td>MUC 1010</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUX 3/4XXX</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cultural/Historical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>1 hr</td>
</tr>
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</table>

<table>
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</thead>
<tbody>
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<td>MUC 4106C</td>
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</tr>
<tr>
<td>MUS 1010</td>
<td>0 hrs</td>
</tr>
<tr>
<td>Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUX 3/4XXX</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUC 4106C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUS 4401</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>0 hrs</td>
</tr>
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<td>MUC 4950</td>
<td>0 hrs</td>
</tr>
<tr>
<td>Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUX 3/4XXX</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.oelas.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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UCF Degree Programs

C: Mathematical Foundations (6 hrs)
- Math
  - Suggested MGF 1106 Finite Mathematics or
    - 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

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 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
MVX 1111 Class Piano I 1 hr
MVX 1112 Class Piano II 1 hr
MVX 2121 Class Piano III 1 hr
MVX 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 4964 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) 8 hrs
- MUN XXXX Major Ensemble (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 4640 Piano Pedagogy I and 2 hrs
  - MUN 3435 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
  - MV 4640 Voice Pedagogy and 2 hrs
  - MUL 3602 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 2 hrs
- MUN XXXX Minor Ensembles and 4 hrs
- Restricted Electives 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
- None

7. Foreign Language Requirements
- None
- Any MUC, MUE, MUG, MUH, MUM, MUN, MUO, MUS, MUT, MVK courses numbered 3000 or higher.

6. Capstone Requirements
- None

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.
  - 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.
  - Computer Competency met by the following course, or departmental examination:
    - MUS 2360C Introduction to Music Technology 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.

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

A 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
Music Education
Music
Theatre - Musical Theatre Track

Certificates
None

Related Minors
Music
Theatre
Digital Media

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
Program A: Strings, Woodwinds, Brass

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicanship I 4 hrs
MKV 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

Sophomore Year - Fall 17 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicanship II 4 hrs
MKV 1112 Class Piano II 1 hr
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUN XXXX Major Ensemble 1 hr
MVX 141X Performance I 2 hrs
Science Foundation 3 hrs

Sophomore Year - Fall 17 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MUT 2126 Music Theory and Musicanship III 4 hrs
MKV 2121 Class Piano III 1 hr
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
MUN XXXX Major Ensemble 1 hr
MVX 242X Performance II 2 hrs

Junior Year - Spring 14 hrs
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 XXXXX Minor Ensemble 1 hr

Senior Year - Fall 14 hrs
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

Senior Year - Spring 11 hrs
MUS 1010 Music Forum 0 hrs
MUS 4954 Recital Performance II 0 hrs
Free Elective 2 hrs
Social Foundation 3 hrs
MUS 3633 Music in the United States 3 hrs
MVP 1411 Percussion I 2 hrs
MUN XXXX Major Ensemble 1 hr

Program B: Percussion

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicanship I 4 hrs
MKV 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

Sophomore Year - Fall 17 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicanship II 4 hrs
MVX 2121 Class Piano II 1 hr
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
MVX 2121 Class Piano III 1 hr
MUN XXXX Major Ensemble 1 hr

Junior Year - Fall 14 hrs
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 XXXXX Minor Ensemble 1 hr

Undergraduate Catalog 2016-2017
## UCF Degree Programs

<table>
<thead>
<tr>
<th>Program C: Piano</th>
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<th>Program D: Guitar</th>
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<tr>
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<td>MVP 4441 Percussion IV</td>
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<td>STA 1063C Basic Statistics Using Microsoft Excel</td>
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<td>MUS 3437 Recital Performance I</td>
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<td>MVK 3431 Piano III</td>
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### Program E: Voice

#### Freshman Year - Fall
- ENC 1101: Composition I 3 hrs
- MUNT 1121: Music Theory and Musicianship I 4 hrs
- MUS 3255: German and English Lyric Diction 2 hrs
- MVK 1112: Class Piano I 1 hr
- MUS 1010: Music Forum 0 hrs
- MUN 3633: Music in the United States 3 hrs
- MVV 1411: Voice I 2 hrs
- MUN XXXX: Major Ensemble 1 hr

#### Freshman Year - Spring
- ENC 1102: Composition II 3 hrs
- MUNT 1122: Music Theory and Musicianship II 4 hrs
- MUS 2360C: Introduction to Music Technology 3 hrs
- MUS 1010: Music Forum 0 hrs
- MVV 2421: Voice II 2 hrs
- MUN XXXX: Major Ensemble 1 hr

#### Sophomore Year - Fall
- MGF 1106: Finite Mathematics 3 hrs
- MUNT 2126: Music Theory and Musicianship III 4 hrs
- MUS 2354: Italian and French Lyric Diction 2 hrs
- MVK 2121: Class Piano III 1 hr
- MUS 1010: Music Forum 0 hrs
- MUG 3104: Basic Conducting 2 hrs
- MVV 2421: Voice II 2 hrs
- MUN XXXX: Major Ensemble 1 hr

#### Sophomore Year - Spring
- MUNT 2127: Music Theory and Musicianship IV 4 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs
- MVK 2122: Class Piano IV 1 hr
- MUS 1010: Music Forum 0 hrs
- STA 1063C: Basic Statistics Using Microsoft Excel 3 hrs
- MVV 2421: Voice II 2 hrs
- MUL 2720: Music of the World 3 hrs
- MUN XXXX: Major Ensemble 1 hr

#### Junior Year - Fall
- MUN 3211: Music History and Literature I 3 hrs
- MUS 1010: Music Forum 0 hrs
- Mế 4571: Analysis of Twentieth-Century Music 3 hrs
- MVK 3431: Voice III 4 hrs
- STA 1063C: Basic Statistics Using Microsoft Excel 3 hrs
- MVV 2421: Voice II 2 hrs
- MUN XXXX: Major Ensemble 1 hr

#### Junior Year - Spring
- MUN 3212: Music History and Literature II 3 hrs
- MUS 1010: Music Forum 0 hrs
- MUS 3953: Recital Performance I 0 hrs
- MVK 3431: Voice III 2 hrs
- MVV 2421: Voice II 2 hrs
- MVV 3431: Voice III 2 hrs
- MUN XXXX: Major Ensemble 1 hr

#### Senior Year - Fall
- MUS 4600: Voice Pedagogy 2 hrs
- MUS 1010: Music Forum 0 hrs
- MVK 4441: Voice IV 4 hrs
- Social Foundation 3 hrs
- Business Foundation 3 hrs
- MUN XXXX: Major Ensemble 1 hr

#### Senior Year - Spring
- MUL 3602: Song Literature 3 hrs
- MUS 1010: Music Forum 0 hrs
- MUS 4954: Recital Performance II 0 hrs
- MVK 4441: Voice IV 4 hrs
- Business Foundation 3 hrs
- Science Foundation 3 hrs
- MUN XXXX: Major Ensemble 1 hr

### Admission Requirements - Music Education

To apply for the Music Education Professional Program, students must:

- Complete 45 hours of coursework including: 15 hours of Professional Program courses, EDF 2005, MUT 2126, and two semesters of MUS 1010.
- 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

- Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, MUT 2126, and two semesters of MUS 1010.
- 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).

### Program Costs

- **Full-Time Student**: $90 per term
- **Part-Time Student**: $45 per term

### Equipment Fees

- **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)

### Contact Information

- **Email**: musicaud@ucf.edu
- **Phone**: Dr. Kelly Miller, Kelly.Miller@ucf.edu, 407-823-4545
UCF Degree Programs

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-5.5.066, 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)

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
- Take all of the following:
  - 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
- Prefer AMH 2010 U.S. History: 1492-1877 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

D: Social Foundations (6 hrs)
- Prefer AnH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (38 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- EDF 2085 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
- MUE 1010 Music Forum 0 hrs
- MUH 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
- MUH 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 GEP
- 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: 3 hrs
- MUE 4337 Secondary Instrumental Methods II or 3 hrs
- MUE 4441 String Methods 3 hrs

Select 5: 5 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 B - Choral
- MUS 1330 IPA for Singers 1 hr
- MUG 3202 Choral Conducting and Materials 2 hrs
- MVF 4640 Voice Pedagogy 2 hrs
- MUE 4331 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 4393 Music and Students with Special Needs 2 hrs
- MUE 3333 General Music Literature and Techniques 2 hrs
- MUE 4331 Secondary Choral Methods I 3 hrs
- MUE 4943 Music Internship II 12 hrs
- MUE 3X02 Choral or Instrumental Conducting and 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 semester and September 15 for spring semester).
   - Current enrollment in or completion of Performance III (first semester).
   - Completion of Music Education prerequisites and Education Core Requirements.
   - Completion of 30 semester hours of General Education and Common Program courses.
   - Completion of all Specialty Area courses except Secondary Methods II (MUE 433X) 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 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

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.
   - Computer competency is met through the following: MUE 3693 Technology in Music Education 2 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 Semester Hours Required
   - 134
Honors In Major
- None

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.
- 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**
- 18 hrs
  - EDF 2005 Introduction to the Teaching Profession 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUS 3211 Music History and Literature I 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUX 141X Performance I 2 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools
  - GEP 3 hrs
  - GEP 3 hrs

**Freshman Year - Spring**
- 18 hrs
  - MUH 3633 Music in the United States 3 hrs
  - MVK 1111 Class Piano I 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MVX 141X Intro to Music Literature 3 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools

**Sophomore Year - Fall**
- 16 hrs
  - MUS 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
  - MVK 1111 Class Piano I 1 hr
  - MVX 141X Performance I 2 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools

**Sophomore Year - Spring**
- 16 hrs
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs
  - MUK 2122 Class Piano IV 1 hr
  - MUH 3212 Music History and Literature II 3 hrs
  - MUS 1010 Music Forum 0 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**
- 15 hrs
  - MUG 3010 Basic Conducting 2 hrs
  - MUE 4332 Secondary Instrumental Methods I 3 hrs
  - EDF 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**
- 16 hrs
  - MUG 3330 Instrumental Conducting and Materials 1 hr
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - EME 2040 Introduction to Technology for Educators 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUS 3633 Recital Performance I 0 hrs

**Select 1:**
- 3 hrs
  - MUE 4335 Secondary Choral Methods II or 3 hrs
  - MUE 4441 String Methods 3 hrs
  - GEP 3 hrs
  - MVX 343X Performance III 2 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools

**Senior Year - Fall**
- 14 hrs
  - ESE 3940 Internship I - Secondary 3 hrs
  - MUE 3333 Music Learning Theory and Assessment 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
  - MUE 4311 Elementary School Music Methods 2 hrs
  - MUE 4441 String Methods 3 hrs
  - CMENC 3 hrs
  - CMENC 3 hrs

**Senior Year - Spring**
- 10 hrs
  - ESE 4943 Internship II - Secondary 7 hrs
  - GEP 3 hrs

**Senior Year - Summer**
- 9 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

**Program B - Choral Program K-12**

**Freshman Year - Fall**
- 18 hrs
  - EDF 2005 Introduction to the Teaching Profession 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUS 3211 Music History and Literature I 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUX 141X Performance I 2 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools

**Freshman Year - Spring**
- 18 hrs
  - MUH 3633 Music in the United States 3 hrs
  - MVK 1111 Class Piano I 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MVX 141X Intro to Music Literature 3 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools

**Sophomore Year - Fall**
- 17 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUX 141X Performance I 2 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools
  - MUH 3633 Music in the United States 3 hrs
### UCF Degree Programs

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

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
UCF Degree Programs

Nursing (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, 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.
■ 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.
■ 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 any minors.
■ Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
■ 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

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 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 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
3. 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

Select 1:
STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

Select 1:
SOW 3104 Human Behavior and the Social Environment I or DEP 2004 Developmental Psychology 3 hrs

Select 1:
PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs
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 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3028 Essentials of Nursing Practice 3 hrs
NUR 3755 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
NUR 3145 Pharmacology for Nursing Practice 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
276 Undergraduate Catalog 2016-2017
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical 2 hrs
NUR 3816 Professional Nurse Seminar 1 hr
NUR 3445 Nursing Care of Families 4 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3165 Nursing Research 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical 3 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs
NUR 4257 Introduction to Critical Care Nursing 3 hrs
NUR 4945L Nursing Practicum 4 hrs
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR 4637 Public and Community Health Nursing 3 hrs
NUR 4637L Public Health Nursing Clinical 1 hr

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:
- 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:
- SYG 2000 Introduction to Sociology or 3 hrs
- PSY 2012 General Psychology 3 hrs

- 1 General Education or SLS 1501

Freshman Year - Spring
- STA 2023 Statistical Methods I 3 hrs
- CHM 1032 General Chemistry 3 hrs
- GEP 3 hrs

Select 1:
- 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
- MCB 2004C Microbiology for Health Professionals 4 hrs

Sophomore Year - Fall
- ZOO 3733C Human Anatomy 4 hrs
- GEP 3 hrs
- HUN 3011 Human Nutrition 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- PCB 3703C Human Physiology 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Junior Year - Fall 15 hrs
NUR 3065 Health Assessment 2 hrs
NUR 3065L 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 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 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR XXXX Nursing Elective 3 hrs

Senior Year - Fall 12 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical 2 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 Psychiatric Mental Health Clinical 2 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.oelas.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.
- 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)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Select 1: (3 hrs)
Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I (3 hrs)

D: Social Foundations (6 hrs)
Select 1: (3 hrs)
Required SYG 2000 Introduction to Sociology or PSY 2012 General Psychology (3 hrs)

E: Science Foundations (7 hrs)
1 Required BSC 2010C Biology I (4 hrs)
2 Required CHM 1032 General Chemistry (3 hrs)

1 Science Foundation is six credit hours for General Education Program. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
2 or other Physical Science
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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 2004C</td>
<td>Microbiology for Health Professionals</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>General Chemistry</td>
<td></td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

1. Principles of Statistics
2. STA 2023 Statistical Methods I or GEP
3. STA 2014C Principles of Statistics

Select 1:

- STA 3104 Human Behavior and the Social Environment I or
- DEP 2004 Developmental Psychology

Select 1:

- PSY 2012 General Psychology or GEP
- SYG 2000 Introduction to Sociology

1. Or other approved science. Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
2. May take Anatomy and Physiology sequence (AP I & II) of eight total credits.
3. Also meets General Education Requirements; Applicants should see an advisor.

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (57 hrs)

Seminole State Concurrent Track 28 hrs

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3909</td>
<td>Professional Socialization Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 4257</td>
<td>Introduction to Critical Care Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3805</td>
<td>Dimensions of Professional Nursing Practice</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 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4828</td>
<td>Nursing Leadership, Management and Role Transition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Public and Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4604L</td>
<td>Practicum in Community and Public Health Nursing for RNs</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 3125</td>
<td>Pathophysiology for Nursing Practice</td>
<td>3 hrs</td>
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</table>

Valencia College Concurrent Track 28 hrs

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3125</td>
<td>Pathophysiology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3905</td>
<td>Dimensions of Professional Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3806</td>
<td>Professional Socialization Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3616</td>
<td>Health Promotion Across the Lifespan</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3055L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 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>
<tr>
<td>NUR 4828</td>
<td>Nursing Leadership, Management and Role Transition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4604L</td>
<td>Practicum in Community and Public Health Nursing for RNs</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Upper Division Credit 29 hrs

- Upper Division Credit may be met by Validation and RN License.

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3733L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I Clinical Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>4 hrs</td>
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<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 Clinical Practice</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II: Clinical Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

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 program start.

Graduation

- None

8. Electives

- variable to meet degree requirements

9. Additional Requirements

- None

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
- Current licensure as an RN.

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 Nursing HIM Advisor

Related Programs

- Health Services Administration
- Social Work

Certificates

- Aging Studies

Related Minors

- Health Sciences
- Health Services Administration
- Psychology

Advising Notes

- None

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (31 hrs)

- 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: $25 per term
- Full-Time Student: $50 per term
Nursing - R.N. to B.S.N. Program (B.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
Email: ucfnurse@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)
   B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
   Prefer MAC 1105C College Algebra 3 hrs

Select 1: 3 hrs
   Required STA 2014C Principles of Statistics or
   Required STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)
   Select a course from GEP Section D1.
   1 One of these courses is required to meet General Education requirements.

E: Science Foundations (6 hrs)
   Required BSC 2010C General Science I
   1 Required CHM 1032 General Chemistry 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: 3 hrs
   1 STA 2014C Principles of Statistics or
   STA 2023 Statistical Methods I

Select 1: 3 hrs
   SOW 2104 Human Behavior and the Social Environment I or
   DEP 2004 Developmental Psychology

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
   NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
   NUR 3065 Health Assessment 2 hrs
   NUR 3065L Health Assessment Lab 1 hr
   NUR 3125 Pathophysiology for Nursing Practice 3 hrs
   NUR 3165 Nursing Research 3 hrs
   NUR 3616 Health Promotion Across the Lifespan 2 hrs
   NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
   NUR 4904L Practicum in Community and Public Health 4 hrs
   NUR 4828 Nursing Leadership, Management and Role Transition
   NUR 4937 Public and Community Health Nursing 3 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 3755L Essentials of Nursing Practice Clinical 2 hrs
   NUR 3028L Essentials of Nursing Practice Lab 1 hr
   NUR 3225 Nursing Care of the Adult I 3 hrs
   NUR 3225L Nursing Care of the Adult I Clinical Practice
   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
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 maximum 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 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
   - NUR 3805 Dimensions of Professional Nursing 3 hrs
   - NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Junior Year - Spring
   - NUR 3165 Nursing Research 3 hrs
   - NUR 3065 Health Assessment 2 hrs
   - NUR 3065L Health Assessment Lab 1 hr

Junior Year - Summer
   - NUR 4637 Public and Community Health Nursing 3 hrs
   - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

Senior Year - Fall
   - NUR 4528 Nursing Leadership, Management and Role Transition 3 hrs
   - NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Spring
   - NUR 4604 Practicum in Community and Public Health 4 hrs
   - NUR 3616 Health Promotion Across the Lifespan 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: $25 per term
   - Full-Time Student: $50 per term

Philosophy (B.A.)

College of Arts and Humanities

Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
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
   - None

Degree Requirements
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Students must earn at least a “C” (2.0) in each required course.
UCF Degree Programs

- Co-op or internship credit 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)
   - Core: 6 hrs
   - Required: PHI 2010 Introduction to Philosophy
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - Select 1: 3 hrs
   - Values and Society (6 hrs)
   - Select 2: 6 hrs

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level (9 hrs)
   - PHI 2010 Introduction to Philosophy
   - Select 2:
     - HUM 2020 Encountering the Humanities or GEP
     - HUM 2210 Humanistic Tradition I or GEP
     - HUM 2230 Humanistic Tradition II or GEP
     - REL 2300 World Religions

4. Core Requirements: Advanced Level (36 hrs)
   - PHI 3083 Research Methods in Philosophy
   - PHI 4931 Philosophy in the News or 3 hrs
   - PHI 4321 Philosophies of Embodiment: Mind/Body/Self or
   - PHI 3625 Virtual Ethics or 3 hrs
   - PHI 3638 Ethical Issues in the 21st Century or 3 hrs
   - PHI 3625 Virtual Ethics or 3 hrs
   - PHI 3638 Ethical Issues in the 21st Century or 3 hrs
   - PHI 3640 Environmental Ethics or 3 hrs
   - PHI 3640 Environmental Ethics or 3 hrs
   - PHI 3033 Philosophy, Religion, and the Environment or
   - PHI 4804 Critical Theory or 3 hrs
   - PHI 4300 Theories of Knowledge or 3 hrs
   - PHI 4300 Theories of Knowledge or 3 hrs
   - PHI 4393 Key Concepts in Philosophy or 3 hrs
   - PHI 4804 Critical Theory or 3 hrs
   - PHI 4935 Theories of Knowledge or 3 hrs
   - PHI 4393 Key Concepts in Philosophy or 3 hrs
   - PHI 4300 Theories of Knowledge or 3 hrs
   - PHI 4300 Theories of Knowledge or 3 hrs
   - PHI 4300 Theories of Knowledge or 3 hrs
   - PHI 4393 Key Concepts in Philosophy or 3 hrs
   - PHI 4393 Key Concepts 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.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Met by graduation 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
- 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.

Computer Competency met by one of the following:
- PHI 4970H Undergraduate Honors Thesis or STA 1063C Basic Statistics Using Microsoft Excel

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 36 hrs
- Same requirements as for regular majors, but must include the following:
  - PHI 2101 Formal Logic I 3 hrs

Upper Division Restricted Electives 6 hrs
- Same as requirement for regular majors

Honors Thesis
- PHI 4903H Honors Directed Reading I 3 hrs
- PHI 4970H Undergraduate Honors Thesis 3 hrs

Additional Requirements
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- 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 4903H Honors Directed Reading I 3 hrs
  - PHI 4970H Undergraduate Honors Thesis 3 hrs

Restricted Elective
- Humanities and Cultural Studies
- Religion and Cultural Studies

Certificates
- 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 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PHI 2010 Introduction to Philosophy 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
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- Restricted Elective 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
- PHI 3083 Research Methods in Philosophy 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
- PHI 4938 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/al/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 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)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- SPC 2600 Speech (A.S.) 3 hrs

1 If not already completed as part of the A.S. degree, after acceptance into the program.

B: Cultural & Historical Foundations (9 hrs)
- Required ARH 2051 History of Western Art II 3 hrs

1 If not already completed as part of the A.S. degree, after acceptance into the program.

C: Mathematical Foundations (6 hrs)
If not already completed as part of the A.S. degree, after acceptance into the program.
- Required MAC 2105 College Algebra or MGF 2106 College Mathematics 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.) 3 hrs

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.

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 3653C Advanced Editorial Photography 3 hrs
- PGY 3751C Videography 3 hrs
- PGY 3821C Advanced Digital Photography 3 hrs
- PGY 4003 Image, Culture, and Society 3 hrs
- PGY 4228C 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 3480 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
- None

Related Programs
- None

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 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
Daytona State College - Photo Technology AS Degree Program

Freshman Year - Spring
Daytona State College - Photo Technology AS Degree Program

Freshman Year - Summer
Daytona State College - Photo Technology AS Degree Program

Sophomore Year - Fall
Daytona State College - Photo Technology AS Degree Program

Sophomore Year - Spring
Daytona State College - Photo Technology AS Degree Program

Junior Year - Fall
15 hrs
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
15 hrs
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
3 hrs
ENC 3250  Professional Writing 3 hrs

Senior Year - Fall
12 hrs
PGY 3653C  Advanced Editorial Photography 3 hrs
PGY 3751C  Videography 3 hrs
PGY 4003  Image, Culture, and Society 3 hrs
PGY 4228C  Advanced Illustrative Photography 3 hrs

Senior Year - Spring
12 hrs
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 CHM 2440 or CHM 2445C.

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, and EEL 3123C.

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.

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

Select 1: 3 hrs

- Suggested PHI 2100  Introduction to Philosophy 3 hrs
- THE 2000  Theatre Survey 3 hrs

Select one additional class from either Historical or Cultural Foundations 3 hrs
### UCF Degree Programs

#### 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
- PSY 2012 General Psychology or 3 hrs
- Suggested: SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

#### E: Science Foundations (7 hrs)
- Required: PHY 2048C General Physics Using Calculus I Calculus I 4 hrs
- Select 1: 4 hrs
  - PH 1440 Principles of Chemistry or 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs

1. A “C” (2.0) or better is required in these courses to enroll in PSE major courses.

#### 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 postsecondary schools and may be transferred directly to UCF programs.
- 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
- CH 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

1. A “C” (2.0) or better is required in these courses to enroll in PSE major courses.

#### 3. Core Requirements: Basic Level (14 hrs)
- EGS 106C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3211 Engineering Analysis and Computation 3 hrs
- EGN 3310 Engineering Analysis-Statistics 3 hrs
- PHY 3101 General Physics Using Calculus III 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP

**Select 1:** 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3359 Thermo-Fluids-Heat Transfer 3 hrs

1. A “C” (2.0) or better is required.

#### 4. Core Requirements: Advanced Level (42 hrs)
- EEL 3004C Electrical Networks 3 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- Suggested: EEL 3123C Networks and Systems 4 hrs
- EEE 3307C Electronics I 4 hrs

1. A “C” (2.0) or better is required.

#### Photonics Requirements (28 hrs)
- OSE 3200 Geometric Optics 3 hrs
- OSE 3052 Introduction to Photonics 3 hrs
- OSE 3052L Introduction to Photonics Laboratory 1 hr
- OSE 3053 Electromagnetic Waves for Photonics 3 hrs
- OSE 4520 Laser Engineering 3 hrs
- OSE 4520L Laser Engineering Laboratory 1 hr
- OSE 4410 Optoelectronics 3 hrs
- OSE 4410L Optoelectronics Laboratory 1 hr
- OSE 4470 Fiber-Optic Communications 3 hrs
- OSE 4470L Fiber-Optic Communications Laboratory 1 hr
- OSE 4830 Imaging and Display 3 hrs
- OSE 4830L Imaging and Display Laboratory 1 hr
- OSE 4830 Optics and Photonics 2 hrs

#### 5. Restricted Electives (9 hrs)
- Students must select at least 3 credit hours of restricted electives with the course prefix OSE. The remaining 6 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.

#### 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
- Photon 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 residency at UCF
- A 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

**Related Minors**
- Engineering Leadership
- 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.

**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.

**Acceptable Substitutes for Transfer Courses**
- None
### Physics (B.S.)

**Department of Physics, Physical Sciences, Room: 430**

http://www.physics.ucf.edu

**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.
- 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.

### 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](http://www.oias.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term

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### Undergraduate Catalog 2016-2017

**UNIVERSITY OF CENTRAL FLORIDA**

**Plan of Study**

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<tr>
<td>Historical Foundation</td>
<td>3 hrs</td>
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<tr>
<td>MAC 2311C</td>
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<td>MAC 1030</td>
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<td>MAC 1060</td>
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<td>AMH 2020</td>
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<td>EGN 3211</td>
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</tr>
<tr>
<td>HUM 2020</td>
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</tr>
<tr>
<td><strong>Sophomore Year - Spring</strong></td>
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</tr>
<tr>
<td>MAP 2302</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3004C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science Foundation</td>
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<td><strong>Sophomore Year - Summer</strong></td>
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<tr>
<td>EEL 3132C</td>
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<td>EEE 3350</td>
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<td>STA 3032</td>
<td>3 hrs</td>
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<td>14 hrs</td>
</tr>
<tr>
<td>OSE 3052</td>
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<tr>
<td>OSE 3052L</td>
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<tr>
<td>OSE 3070C</td>
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<tr>
<td>OSE 3200</td>
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<td><strong>Junior Year - Spring</strong></td>
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<tr>
<td>OSE 4410</td>
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<tr>
<td>OSE 4410L</td>
<td>1 hr</td>
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<td>OSE 4520</td>
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<td>OSE 4520L</td>
<td>1 hr</td>
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<tr>
<td>OSE 3053</td>
<td>3 hrs</td>
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<td>Social Foundation</td>
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<td><strong>Senior Year - Fall</strong></td>
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<tr>
<td>OSE 4470</td>
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<td>OSE 4470L</td>
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<td>OSE 4951</td>
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<td>OSE 4930</td>
<td>2 hrs</td>
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<tr>
<td>OSE 4952</td>
<td>3 hrs</td>
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<tr>
<td>OSE 4830</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4830L</td>
<td>1 hr</td>
</tr>
<tr>
<td>Restricted Elective</td>
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</tr>
<tr>
<td>Historical Foundation</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.oias.ucf.edu/alc/academic_learning_compacts.htm](http://www.oias.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term

---

**A: Communication Foundations**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
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**B: Cultural & Historical Foundations**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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### Undergraduate Catalog 2016-2017

**UNIVERSITY OF CENTRAL FLORIDA**

**287**

**Undergraduate Catalog 2016-2017**
UCF Degree Programs

D: Social Foundations (6 hrs)
E: Science Foundations
1. Physical Science; Required PHY 2048C General Physics Using Calculus I 4 hrs
- and - or
2. Life sciences; Select from the E2. GEP list. 3 hrs
Select from the E2. GEP list. 3 hrs
2. Common Program Prerequisites (CPP) (20 hrs)
MAC 2311C Calculus with Analytic Geometry I and GEP 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 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 3 hrs
Take all of the following:
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2048L Chemistry Fundamentals Laboratory 1 hr
PHY 2048C General Physics Using Calculus I and GEP 4 hrs
PHY 2049C General Physics Using Calculus II 4 hrs
3. Core Requirements: Basic Level
- 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 CPP
- or
CHM 2040 Chemistry Fundamentals IA and CPP
CHM 2041 Chemistry Fundamentals IB CPP
- and
MAC 2311C Calculus with Analytic Geometry I and CPP
MAC 2312 Calculus with Analytic Geometry II and CPP
MAC 2313 Calculus with Analytic Geometry III and CPP
PHY 2048C General Physics Using Calculus I and CPP
PHY 2049C General Physics Using Calculus II CPP
Core: Additional requirements
MAP 2302 Ordinary Differential Equations I 3 hrs
PHY 3101 General Physics Using Calculus III 3 hrs
PHZ 3113 Introduction to Theoretical Methods of Physics 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 3424 Electricity and Magnetism II 3 hrs
PHY 4604 Wave Mechanics I 3 hrs
PHY 4605 Wave Mechanics II 3 hrs
PHY 4912 Directed Independent Research (in area of specialization) 3 hrs
Laboratory RequirementPHY 3802L Intermediate Physics Laboratory 6 hrs
And either
PHY 3752C Physics of Scientific Instruments 3 hrs
PHY 3722C Physics Laboratory-Electronics 3 hrs
4. Core Requirements: Advanced Level
- Select one specialization
4.1. General Physics Specialization 18 hrs
PHY 4803L Advanced Physics Laboratory 3 hrs
- Restricted Electives: Select from upper division PHY, PHZ, or AST courses 6 hrs
- Directed Electives: 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. 9 hrs
4.2. Materials Physics Specialization 18 hrs
- Select 1 PHY 4803L Advanced Physics Laboratory 3 hrs
EEE 5356C Fabrication of Solid-State Devices 4 hrs
- Select 3 EEE 3350 Semiconductor Devices I or 9 hrs
EGN 3365 Structure and Properties of Materials or 3 hrs
EMA 4413 Fundamentals of Electronic Materials or 3 hrs
CHM 3411L Physical Chemistry Laboratory or 2 hrs
PHZ 5405 Condensed Matter Physics or 3 hrs
EEE 5352C Semiconductor Material and Device Characterization 3 hrs
- Directed Electives: 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. 6 hrs
4.3. Optics and Lasers Specialization 18 hrs
PHY 4424 Optics 3 hrs
- Select 2 EEL 4440 Optical Engineering or 6 hrs
PHY 4445 Lasers or 3 hrs
OSF 5203 Geometrical Optics or 3 hrs
OSE 5312 Light Matter Interaction or 3 hrs
OSE 5414 Fundamentals of Optoelectronic Devices 3 hrs
- Directed Electives: 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. 9 hrs
4.4. Computational Physics Specialization 19 hrs
PHZ 3151 Computer Methods in Physics 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 3 hrs
COT 4500 Numerical Calculus 3 hrs
- Directed Electives: 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. 6 hrs
4.5. Astronomy Specialization 18 hrs
AST 2002 Astronomy 3 hrs
- Select one AST 4700 Experimental Methods in Astronomy or 3 hrs
AST 4762C Astronomical Data Analysis or 3 hrs
AST 5765C Advanced Astronomical Data Analysis 3 hrs
- and - Select from upper division AST courses 6 hrs
- Directed Electives: 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. 6 hrs
5. Restricted Electives None
6. Capstone Requirements None
7. Foreign Language Requirements Admissions
- None
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
8. Electives None
9. Additional Requirements None
### 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.

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>14 hrs</th>
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</thead>
<tbody>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>PHY 2049C General Physics Using Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
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Note: Lab may be taken later if seats are not available.
- GEP | 3 hrs |

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>17 hrs</th>
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<tbody>
<tr>
<td>PHY 2049C General Physics Using Calculus II</td>
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</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COP 3502C Computer Science I</td>
<td>3 hrs</td>
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<td>GEP</td>
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<tr>
<td>GEP</td>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
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<tbody>
<tr>
<td>PHY 3101 General Physics Using Calculus III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHZ 3113 Introduction to Theoretical Methods of Physics</td>
<td>3 hrs</td>
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<tr>
<td>MAP 2302 Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
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</thead>
<tbody>
<tr>
<td>PHY 3802L Intermediate Physics Laboratory</td>
<td>3 hrs</td>
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<tr>
<td>PHY 3323 Electricity and Magnetism I</td>
<td>3 hrs</td>
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<tr>
<td>PHY 3513 Thermal and Statistical Physics</td>
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</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
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<th>Junior Year - Spring</th>
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<tbody>
<tr>
<td>PHY 3220 Mechanics I</td>
<td>3 hrs</td>
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<tr>
<td>PHY 4324 Electricity and Magnetism II</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
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<td>Restricted Elective</td>
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<tr>
<td>GEP</td>
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<thead>
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<tbody>
<tr>
<td>PHY 4604 Wave Mechanics I</td>
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<tr>
<td>PHY 4912 Independent Research</td>
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<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Free Elective</td>
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<td>PHY 4605 Wave Mechanics II</td>
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<tr>
<td>Free Elective</td>
<td>2 hrs</td>
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<tr>
<td>Free 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.o eas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees

- Part-Time Student: $12.40 per term
- Full-Time Student: $24.80 per term

### 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...
UCF Degree Programs

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 PHY 2048C General Physics Using Calculus I 4 hrs
2 PHY 2049C General Physics Using Calculus II 4 hrs

1 With Department permission this course can be substituted by PHY 2054C.
2 With Department permission, this course can be substituted by PHY 2054C.

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)
- Prefer SPC 1603C Fundamentals of Technical Presentations

Take all of the following:

- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 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 2230 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
- BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)

- 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

Select one of the following sequences of courses:

- CHM 2045C Chemistry Fundamentals I 4 hrs
  -or- CHM 2040 Chemistry Fundamentals IA and 6 hrs
  -or- CHM 2041 Chemistry Fundamentals IB 6 hrs

Take all of the following:

- CHM 2046C Calculus with Analytic Geometry II 4 hrs
- CHM 2048L Chemistry Fundamentals Laboratory 1 hr
- PHY 2048C General Physics Using Calculus I GEP 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 CPP
- or- CHM 2040 Chemistry Fundamentals IA and CPP
- and- MAC 2311C Calculus with Analytic Geometry I GEP/CPP
- MAC 2312 Calculus with Analytic Geometry II CPP
- MAC 2313 Calculus with Analytic Geometry III CPP
  1 PHY 2048C General Physics Using Calculus I CPP
  2 PHY 2049C General Physics Using Calculus II CPP

1 With Department permission this course can be substituted by PHY 2053C.
2 With Department permission this course can be substituted by PHY 2054C.

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

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:

- 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 ESOL 3 hrs
- EDG 4553 Students in Schools 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Restricted electives:

- 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 adviser approval.
4.2 Nanoscale Science and Technology

Required:
- 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
- Selected from upper division physics, mathematics, chemistry, computer science or engineering courses.

Directed electives: 15 hrs
- The elective courses will be selected with advisor approval.
  - PHY 3722C Physics Laboratory-Electronics 3 hrs
  - PHY 3752C Physics of Scientific Instruments 3 hrs
  - EMA 3014 Nanomaterials Characterization and Applications 3 hrs
  - PHZ 3151 Computer Methods in Physics 3 hrs
  - BSC 3424 Nanobiotechnology 3 hrs
  - OSE 3490 Nanophotonics 3 hrs
  - PHY 5933 Selected topics in biophysics of macromolecules 3 hrs
  - PHI 4690 Ethics in Nanoscience and Nanotechnology 3 hrs
  - PHZ 5425C Electron Solid Interactions 3 hrs
  - PHZ 5445 Nanofabrication using Focused Ion Beam 3 hrs
  - PHY 5704 Physics of Nanoelectronics Devices 3 hrs

4.3 Biophysics

Required: 18 hrs
- BSC 2011C Biology II 3 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

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: 9 hrs
- Select 9 credits from upper division biology or chemistry
  - The elective courses will be selected with advisor approval.

Pre-meds are advised to take:
- PCB 3063 Genetics 3 hrs
- PCB 3063L Genetics Laboratory 1 hr
- PCB 3703C Human Physiology 4 hrs
- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs

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 3330 Object Oriented Programming 3 hrs
- COP 4710 Database Systems 3 hrs
- GIS 3902 Cryptography and Information Security 3 hrs

Select 1:
- COT 3100C Introduction to Discrete Structures or 3 hrs
- MAD 2104 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.

Directed electives: 6 hrs
- Select 6 credits from the following, or other approved upper division computer science, mathematics or engineering:
  - The elective courses will be selected with advisor approval.
  - CDA 3103C Computer Logic and Organization 3 hrs
  - COP 3402 Systems Software 3 hrs
  - COP 4516C Problem Solving Techniques and Team Dynamics 3 hrs

4.5 Technical Writing

Required: 15 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 4260 Technical Writing Style 3 hrs
- ENC 4293 Documenting and the Collaborative Process 3 hrs
- ENC 4290 Usability Testing for Technical Communication 3 hrs
- ENC 4218 The Visual in Technical Documentation 3 hrs

Restricted electives: 9 hrs
- Select 6 credits from upper division writing or communication courses.
  - The elective courses will be selected with advisor approval.

Directed electives: 6 hrs
- Select 6 credits from upper division writing or communication 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.
  - 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 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, 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

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/
- Prior to enrolling in Math, take Math Placement Test ~ http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
- 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 3 hrs

Freshman Year - Spring
- PHY 2048C: General Physics Using Calculus I 4 hrs
- MAC 2312: 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
- PHYS 3220: Mechanics I 3 hrs
- Restricted Elective 3 hrs
- Directed Elective 3 hrs
- Directed Elective 3 hrs
- Free Elective 1 hr

Sophomore Year - Spring
- PHY 3101: General Physics Using Calculus III 4 hrs
- MAC 2313: Calculus with Analytic Geometry III 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall
- PHY 3802L: Intermediate Physics Laboratory 3 hrs
- PHY 3321: 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
- GEP 3 hrs
- Free Elective 3 hrs
- Directed Elective 3 hrs
- Physics Test - Nationally Normed

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

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
- 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 3073: 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)
   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)
   For Track 1 (American Politics) students
   Prefer AHF 2010 U.S. History: 1492-1877 3 hrs
   For Track 2 (Int'l & Comp) students:
   Prefer EUH 2001 Western Civilization II or 3 hrs
   Prefer WOH 2022 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
      Prefer STA 1063C Basic Statistics Using Microsoft Excel or
      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 Program Prerequisites" in the Transfer and Transitions Services section for more information.
      See Transfer Notes for possible substitutes.
   2. Common Program Prerequisites (CPP) (3 hrs)
   POS 2041 American National Government GEP/CPP
   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 GEP/CPP
   4. Core Requirements: Advanced Level (21 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 CPP
   Two courses from Area A 6 hrs
   Two courses from Area B 6 hrs
   Two courses from Area C 6 hrs
   POS 4700 Teaching American Politics and Government 3 hrs
   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
      May be considered part of area B credit:
      INR 4351 International Environmental Law or 3 hrs
      INR 4401 International Law or 3 hrs
      INR 4404 Space Law 3 hrs
      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
   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 3182 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 3273 Voting and Elections or 3 hrs
   POS 3272 Civic Engagement 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 3627 Cultural Pluralism and Law 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
   PUP 3203 Environmental Politics or 3 hrs
   PUP 3204 Sustainability or 3 hrs
   PUP 3314 Minorities in American Politics or 3 hrs
   PUP 3325 Women and Political Behavior or 3 hrs
   PUP 4003 American Public Policy or 3 hrs
   PUP 4209 Urban Environmental Policy or 3 hrs
   PUP 4332 Women and Public Policy or 3 hrs
   PUP 4404 Education and Politics or 3 hrs
   PUP 4530 Government and Science or 3 hrs
   PUP 4510 Space Policy or 3 hrs
   PUP 4602 Politics of Health or 3 hrs
   PUP 4744 Government and Business or 3 hrs
   PUP 4931 Topics in Public Policy or 3 hrs

B. International Relations and Comparative Government Area
   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 Studies 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 4784 Political and Economic Inequality in Comparative Perspective or 3 hrs
   CPO 4794 Indigenous Politics and the Environment or 3 hrs
   GEO 3471 World Political Geography or 3 hrs
   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


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

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.

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.
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 15 hrs
- POS 2041 American National Government 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs

Freshman Year - Spring 15 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 16 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Spring 16 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 13 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- POS 4961 Exit Exam 1 hr

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

Equipment 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
- 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 courses:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- 2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

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)
- For students doing Option 1 3 hrs
  - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- For students doing Option 2:
  - Prefer EUH 2001 Western Civilization II 3 hrs
  - Prefer WOH 2022 World Civilization II 3 hrs
  - Select two courses from B 2. 6 hrs

C: Mathematical Foundations (6 hrs)
- Math: 3 hrs
  - Prefer MGF 1106 Finite Mathematics or 3 hrs
  - Prefer 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
- Prefer STA 2014C Principles of Statistics or 3 hrs
- Prefer STA 2063C Basic Statistics Using Microsoft Excel or 3 hrs
- May substitute a higher level statistics course. 3 hrs

D: Social Foundations (6 hrs)
Political Science 3 hrs
- Required POS 2041 American National Government 3 hrs

Social Science 3 hrs
- Select one of the listed courses 3 hrs

E: Science Foundations (6 hrs)
### UCF Degree Programs

2. **Common Program Prerequisites (CPP) (3 hrs)**

   - See “Common Prerequisites” in the Transfer and Transitions Service section for more information.
   - See Transfer Notes for possible substitutions for the following courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American National Government GEP</td>
<td>3</td>
</tr>
<tr>
<td>POS 3703</td>
<td>Scope and Methods of Political Science</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American National GEP/CPP</td>
<td></td>
</tr>
</tbody>
</table>

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.

<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 CPP</td>
<td>3</td>
</tr>
<tr>
<td>POS 4961</td>
<td>Exit Exam (course during graduating semester)</td>
<td></td>
</tr>
</tbody>
</table>

5. **Restricted Electives (27 hrs)**

   - Select one from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 4603</td>
<td>American Constitutional Law I or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4604</td>
<td>American Constitutional Law II or</td>
<td>3</td>
</tr>
<tr>
<td>INR 4401</td>
<td>International Law</td>
<td>3</td>
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</tbody>
</table>

   - Take all of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 3732</td>
<td>State Government and Public Policy or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3713</td>
<td>Southern Politics or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3162</td>
<td>Florida Politics or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3233</td>
<td>Public Opinion or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3234</td>
<td>Protest in American Politics or</td>
<td>3</td>
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<tr>
<td>POS 3235</td>
<td>Mass Media and Politics or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3258</td>
<td>Politics in Film or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3272</td>
<td>Civic Engagement or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3273</td>
<td>Voting and Elections or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3541</td>
<td>The American Presidency or</td>
<td>3</td>
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<tr>
<td>POS 3424</td>
<td>Congress and the Legislative Process or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3443</td>
<td>Political Parties and Processes or</td>
<td>3</td>
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<tr>
<td>POS 3463</td>
<td>Interest Groups or</td>
<td>3</td>
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<tr>
<td>POS 3627</td>
<td>Cultural Pluralism and Law or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3733</td>
<td>Designing Political Science Research or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4030</td>
<td>The Politics of Sports or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4074</td>
<td>Latino Politics or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4142</td>
<td>Metropolitan Politics or</td>
<td>3</td>
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<tr>
<td>POS 4204</td>
<td>Political Behavior or</td>
<td>3</td>
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<tr>
<td>POS 4244</td>
<td>Political Socialization or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4284</td>
<td>Judicial Process and Politics or</td>
<td>3</td>
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<tr>
<td>POS 4412</td>
<td>Presidential Campaigning or</td>
<td>3</td>
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<td>POS 4563</td>
<td>American Constitutional Law I or</td>
<td>3</td>
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<tr>
<td>POS 4604</td>
<td>American Constitutional Law II or</td>
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</tr>
<tr>
<td>POS 4622</td>
<td>Politics and Civil Rights or</td>
<td>3</td>
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<td>POS 4764</td>
<td>GIS for Political Analysis or</td>
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<td>PUP 3014</td>
<td>Comparative Public Policy or</td>
<td>3</td>
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<tr>
<td>PUP 4310</td>
<td>Space Policy</td>
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### Areas of Specialization

A. **American Politics and Policy Area**

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<tr>
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<tbody>
<tr>
<td>POS 3122</td>
<td>State Government and Public Policy or</td>
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</tr>
<tr>
<td>POS 3173</td>
<td>Southern Politics or</td>
<td>3</td>
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B. **International Relations and Comparative Government Area**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CPO 3034</td>
<td>Politics of Developing Areas or</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3057</td>
<td>Contemporary Revolution and Political Violence or</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3103</td>
<td>Comparative Politics or</td>
<td>3</td>
</tr>
</tbody>
</table>
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.
  - AC2021 Principles of Financial Accounting 3 hrs
  - AC2071 Principles of Managerial Accounting 3 hrs
  - BUL3130 Legal and Ethical Environment of Business 3 hrs
  - ENC3241 Writing for the Technical Professional 3 hrs
  - ENC3250 Professional Writing 3 hrs
  - LIN4105 History of the English Language 3 hrs
  - MHF3302 Logic and Proof in Mathematics 3 hrs
  - PHI2101 Formal Logic I 3 hrs
  - PLA3108 Legal Research 3 hrs
  - PLA3155 Legal Writing 3 hrs
  - POS4941 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
- Diplomacy

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
- 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
- POS 2041 American National Government 15 hrs
- AMH2020 U.S. History: 1877-Present 3 hrs
- ENC1101 Composition I 3 hrs
- GEP 3 hrs

Freshman Year - Spring
- AMH2020 U.S. History: 1877-Present 3 hrs
- ENC1102 Composition II 3 hrs
- STA2014C Principles of Statistics 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall
- Restricted Elective 16 hrs
- Foreign Language 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- POS 3703 Scope and Methods of Political Science 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs
UCF Degree Programs

Psychology (B.S.)
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://psychology.cos.ucf.edu
Email: psychadvising@ucf.edu

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.
- 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.

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

Junior Year - Fall
- 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
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

Senior Year - Spring
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- POS 4961 Exit Exam 0 hrs

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:
- 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

Biology:
- Select the advanced course if additional biology courses are planned.
- BSC 1005 Biological Principles or 3 hrs
- BSC 2010C Biology I 4 hrs

Statistics:
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I or 3 hrs

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 GEP

Biology:
- BSC 2010C Biology I GEP

Statistics:
- STA 2014C Principles of Statistics GEP
- STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (18 hrs)
- PSY 2023 Psychology Cornerstone: Career Paths 2 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs
- PSY 3213C Research Methods in Psychology 5 hrs
- PSB 3002 Physiological Psychology 3 hrs
- PSY 4604 History and Systems of Psychology 3 hrs
- PSY 4049 Psychology Capstone 1 hr
5. Restricted Electives (33 hrs)

A. Experimental: Select from the following: 6 hrs
- EXP 3404 Basic Learning Processes or 3 hrs
- EXP 3204 Perception or 4 hrs
- EXP 3604 Cognitive Psychology or 4 hrs
- PSB 4240C Neuropsychology or 4 hrs
- PSY 4215C Advanced Research Methods in Psychology or 4 hrs
- EXP 3640 Psychology of Language 3 hrs

B. Personality/Social: Select from the following: 3 hrs
- PPE 3003 Personality Theory and Research or 3 hrs
- SOP 3004 Social Psychology 3 hrs

C. Developmental: Select from the following: 3 hrs
- DEP 2004 Developmental Psychology 3 hrs
- DEP 3202 Psychology of Exceptional Children or 3 hrs
- DEP 3464 Psychology of Aging 3 hrs

D. Diversity: Select from the following: 3 hrs
- CLP 3184 Women's Mental Health or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3764 Psychology of Diversity 3 hrs

E. Applied: Select from the following: 3 hrs
- CLP 3302 Clinical Psychology or 3 hrs
- EXP 3250 Principles of Human Factors Psychology or 3 hrs
- INP 3004 Industrial/Organizational Psychology 3 hrs

F. Psychology Electives 9 hrs
- Select additional courses from those taught by the Psychology department.
- NOTE: The following courses will NOT fulfill this requirement.
  - INP 5141C Advanced Applied Psychology or 1 hr
  - INP 3951 Industrial/Organizational Field Work or 3 hrs
  - PSY 3905 Directed Independent Study or 1 hr
  - PSY 4906 Directed Independent Study or 1 hr
  - PSY 4912 Directed Independent Research 1 hr

G. Math/Science Electives: Select from the following: 6 hrs
- Students must meet the course prerequisites for any course they select. See course listing for prerequisites.
  - ANT 2511 The Human Species or 3 hrs
  - ANT 3541 Biobehavioral Anthropology or 3 hrs
  - ANT 3550C Primatology or 3 hrs
  - ANT 4516 Human Biological Diversity or 3 hrs
  - ANT 4586C Human Origins or 3 hrs
  - BSC 2011C Biology I or 4 hrs
  - BSC 4312C Advanced Marine Biology or 3 hrs
  - CHM 1020 Concepts in Chemistry or 3 hrs
  - CHM 2045C Chemistry Fundamentals I or 4 hrs
  - CHM 2046 Chemistry Fundamentals II or 3 hrs
  - EVR XXX Any EVR prefix course or 3 hrs
  - HSA 4702 Health Sciences Research Methods or 3 hrs
  - HSC 3147 Introduction to Pharmacology or 3 hrs
  - MAC 2223 Concepts of Calculus or 3 hrs
  - MAC 2253 Applied Calculus or 3 hrs
  - MCB XXX Any MCB prefix course or 3 hrs
  - PCB 3083 Genetics or 3 hrs
  - PCB 3703C Human Physiology or 4 hrs
  - PHY 2053C College Physics I or 4 hrs
  - PSC 1121 Physical Science or 3 hrs
  - STA 4102 Computer Processing of Statistical Data or 3 hrs
  - STA 4163 Statistical Methods II or 3 hrs
  - STA 4164 Statistical Methods III or 3 hrs
  - ZOO XXX Any ZOO prefix course or 3 hrs

6. Capstone Requirements
- PSY 4049 Psychology Capstone 1 hr

7. Foreign Language Requirements
- Admissions: Met by graduation requirement.
- Graduation: Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives
- 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 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

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:
UCF Degree Programs

- Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, the advanced course is a prerequisite for some courses.
- Statistics: any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.
- DEP 2004C: any lower level psychology course will fulfill the CPP. However, since this course satisfies the CPP as well as psychology restricted elective 5C, students are advised to select it to satisfy their CPP.

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.

Freshman Year - Fall

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<th>Course</th>
<th>Department</th>
<th>Hours</th>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<td>GEP-Math</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<td>GEP</td>
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Freshman Year - Spring

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<tr>
<th>Course</th>
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<tr>
<td>Psychology Cornerstone</td>
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Sophomore Year - Fall

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<th>Course</th>
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<tr>
<td>DEP 2004</td>
<td>Developmental Psychology</td>
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<td>Restricted Elective</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>Foreign Language</td>
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Sophomore Year - Spring

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<tr>
<td>Restricted Elective</td>
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<td>Restricted Elective</td>
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<tr>
<td>Foreign Language</td>
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<tr>
<td>GEP</td>
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Junior Year - Fall

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<th>Course</th>
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<tr>
<td>PSB 3002</td>
<td>Psychological Psychology</td>
<td>3 hrs</td>
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<tr>
<td>PSY 3204C</td>
<td>Statistical Methods in Psychology</td>
<td>4 hrs</td>
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<td>Restricted Elective</td>
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<td>Restricted Elective</td>
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<td>Elective / Minor</td>
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Junior Year - Spring

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<th>Course</th>
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<tr>
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Senior Year - Fall

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<td>Elective / Minor</td>
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Senior Year - Spring

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<th>Course</th>
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<tr>
<td>PSY 4694</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>Elective / Minor</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

Equipment Fees

- Part-Time Student: $13.00 per term
- Full-Time Student: $26 per term

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. Michael Abels, michael.abels@ucf.edu
Phone: 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)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Required:
- CGS 1060C Introduction to Computers (3 hrs)

D: Social Foundations (6 hrs)

Required:
- POS 2041 American National Government (3 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

- See “Common Prerequisites” in the Transfer and Transition Services section
- GES 1060C Introduction to Computers (GEP)
- POS 2041 American National Government (GEP)

Select 1:
- ECO 2013 Principles of Macroeconomics or (3 hrs)
- ECO 2023 Principles of Microeconomics (3 hrs)

3. Core Requirements: Basic Level

- None
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 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.

Supporting Upper-Division Electives 6 hrs

- 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.
- 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.

6. Capstone Requirements

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 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.
- 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.

9. Additional Requirements

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 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.

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 and 3 above).
- 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.

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
- Economics
- Health Services Administration
- Legal Studies
- Management
- Political Science
- Social Work

Certificates

- None

Related Minors

- Business
- Criminal Justice
- Diplomacy
- Economics
- Entrepreneurship
- Environmental Studies
- Florida Studies
- Health Services Administration
- International and Global Studies
- Leadership Studies
- Legal Studies
- Political Science
- Terrorism Studies

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.
**UCF Degree Programs**

**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 American National Government (POS2041), Macroeconomics (ECO2013), Microeconomics (ECO2023), Statistics (STA2014 or STA2023), and Introduction to Computer (CGS1000, CGS1060, or CGS2100).
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the Public Administration 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.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- This is one of numerous possible plans of study.
- Although all courses are listed as being taken during the academic year, you may take classes during the summer semester.

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- CGS 1060C Introduction to Computers 3 hrs
- POS 2041 American National Government 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
- GEP Communication 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs

**Sophomore Year - Fall**
- STA 2014C Principles of Statistics 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Free Elective 3 hrs
- GEP Historical 3 hrs
- GEP Science 3 hrs

**Sophomore Year - Spring**
- PAD 3003 Public Administration in American Society 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
- Free Elective 3 hrs
- GEP Historical 3 hrs
- GEP Science 3 hrs

**Junior Year - Fall**
- PAD 4104 Administrative Theory 3 hrs
- PAD 4414 Human Resource Administration 3 hrs
- PAD Approved Minor Course 3 hrs
- PAD Approved Minor Course 3 hrs
- Free Elective 3 hrs

**Junior Year - Spring**
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
- PAD Approved Minor Course 3 hrs
- PAD Approved Minor Course 3 hrs
- Free Elective 3 hrs

**Senior Year - Fall**
- PAD 4949 Cooperative Education 3 hrs
- PAD Approved Minor Course 3 hrs
- PAD Approved Minor Course or Free Elective 3 hrs
- Supporting Upper-Division Elective 3 hrs
- Free Elective 3 hrs

**Senior Year - Spring**
- PAD 4204 Fiscal Management 3 hrs
- PAD Required Minor Course 3 hrs
- Supporting Upper-Division Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

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

**Radio - Television (B.A.)**

**College of Sciences**

**Nicholson School of Communication, NSC, Room: 143**

**http://communication.cos.ucf.edu/**

**Email:** radiotv@ucf.edu

Stephanie Rice, Area Coordinator, stephanie.rice@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

**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.
- Attain an overall minimum 2.25/4.00 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.
- 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).

<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>
</tbody>
</table>

**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.
UCF Degree Programs

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 or
   - Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Prefer AMH 2010 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 3 hrs

   Computers - Statistics: 3 hrs
   Select 1: 3 hrs
   - CGS 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 or 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)
   2. Common Program Prerequisites (CPP)
   None

   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:
   - SPC 1603C Fundamentals of Technical Presentations GEP or
   - 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.

   A. Production 19 hrs
   Required:
   - RTV 4544 Advanced Studio Production 4 hrs
   Select from the following: 15 hrs
   - RTV 3531C Single Camera Video Production and Editing or
   - RTV 3543C Studio Television Production or
   - RTV 3556C Audio Production I or
   - RTV 3571C Advanced Video Post-Production or
   - RTV 3581C Lighting for Video or
   - RTV 3590C Production of Interactive Multimedia or
   - RTV 4557C Audio Production II or
   - RTV 4561C Radio Production and Programming or
   - RTV 4591C Webcasting I or
   - RTV 4592C Webcasting II or
   - RTV 4673C Television Directing or
   - 1 RTV 3942L Practicum or 1 hr
   - 1 RTV 4941 Internship 1 hr

   1 May be taken for a maximum of 3 hours.

   B. Broadcast Generalist 19 hrs
   Select from the following: 13 hrs
   - ADV 4103 Radio-Television Advertising or
   - JOU 3015 Principles of Journalism or
   - COM 3330 Computer Mediated Communication or
   - MMC 4263 New Media Technologies or
   - RTV 3601C Broadcast Announcing and Performance or
   - RTV 3590C Production of Interactive Multimedia or
   - RTV 4505 Program Issues for TV & Motion Pictures or
   - RTV 4561C Radio Production and Programming or
   - RTV 4700 Regulation of Broadcasting or
   - RTV 4800 Broadcast Management or
   - 1 RTV 4941 Internship or
   - 1 RTV 4906 Directed Independent Study 1 hr

   Select from the following: 6 hrs
   - ADV 3008 Principles of Advertising or
   - COM 3110 Business and Professional Communication or
   - MMC 3630 Social Media as Mass Communication or
   - PUR 4900 Public Relations or
   - RTV 4503 Sports Programming in Electronic Media 3 hrs

   1 May be taken for a maximum of 3 hours.

   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 R-TV major, but any minor except those in the Nicholson School of Communication, may be taken:
  - 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
- GEPA 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
- GEPA Math 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs
- Elective-Minor 3 hrs
- Elective-Minor 3 hrs
- Elective-Minor 3 hrs

 Sophomore Year - Spring
- For admittance for year Fall 15 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- GEP 3 hrs
- GEPA Math 3 hrs
- Elective outside of NSC 3 hrs
- Elective outside of NSC 3 hrs

 Junior Year - Fall
- If admitted, take... 15 hrs
- RTV 3511 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 2100 Writing for the Electronic Media 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- Elective minor 3 hrs
- Elective outside of NSC 3 hrs

 Junior Year - Spring
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs

 Junior Year - Summer
- Restricted Elective Internship 3 hrs

 Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective Minor 3 hrs
- Elective outside of NSC 3 hrs
- Elective outside of NSC 3 hrs
Senior Year - Spring 16 hrs
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.o eas.ucf.edu/aic/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 58 upper level business 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-admission 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

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)
   - C: Mathematical Foundations (6 hrs)
     - Required GGS 2100C Computer Fundamentals for Business
     - Required MAC 1105C College Algebra 3 hrs
   - D: Social Foundations (6 hrs)
     - Select 1: 3 hrs
       - Required ECO 2013 Principles of Macroeconomics or
       - 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) (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
       - GGS 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
  - 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 (37 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 13 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 3203 Supply Chain and Operations Management 3 hrs
- GEB 4233 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<td>FIN 3414</td>
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<tr>
<td>FIN 4243</td>
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<td>FIN 4504</td>
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<td>MAR 3391</td>
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<td>3 hrs</td>
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<tr>
<td>REE 4312</td>
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</tr>
</tbody>
</table>

1. Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.
2. Internship course requires an overall GPA of 2.75 and a 3.0 GPA in the major.

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
- None

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 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 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REE 4903H</td>
<td>1 hr</td>
</tr>
<tr>
<td>REE 4970H</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

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 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 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 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- 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 2021  Principles of Financial Accounting 3 hrs
SPC 1608  Fundamentals of Oral Communication 3 hrs
Historical Foundation I 3 hrs
Science 3 hrs
Elective 3 hrs

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UCF Degree Programs

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
Religion Foundation  3 hrs
Science  3 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
MIS 3023 Marketing  3 hrs
FIN 3033 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
Elective  2 hrs

Senior Year - Fall
BUL 3130 Legal and Ethical Environment of Business  3 hrs
GEB 4223 Business Interviewing Techniques  1 hr
REE Elective  3 hrs
REE Elective  3 hrs
REE Elective  3 hrs
Business Elective  3 hrs

Senior Year - Spring
MAN 4720 Strategic Management  3 hrs
MAR 3203 Supply Chain and Operations Management  3 hrs
GEB 4004 Executing Your Career Plan  1 hr
REE Elective  3 hrs
REE Elective  3 hrs

Program Academic Learning Compacts

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

Equipment Fees

• Part-Time Student: $25.00 per term
• Full-Time Student: $50.00 per term

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)  (36 hrs)
    A: Communication Foundations  (9 hrs)
    B: Cultural & Historical Foundations  (9 hrs)
    Required REL 2300 World Religions  3 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)
    Math  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.
  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  REL 2300 World Religions  GEP
    Select 1:  PHI 2010 Introduction to Philosophy or 3 hrs
               HUM 2020 Encountering the Humanities or 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
  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
    JST 3401 Jewish People in Antiquity  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
UCF Degree Programs

Cultural Studies
- HUM 3805 Critical Theory in the Humanities or 3 hrs
- HUM 3326 Theories of Sex and Gender in Humanities or 3 hrs
- HUM 4459 American Cultural Studies in Humanities or 3 hrs
- HUM 4823 Queer Theory in the Humanities or 3 hrs
- HUM 4826 Postcolonial Theory or 3 hrs
- PHI 3600 Contemporary Philosophy or 3 hrs
- PHI 4804 Critical Theory 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 4160 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.

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.
- Computer Competency met by one of the following:
  - REL 4970H Undergraduate Honors Thesis 3 hrs
  - REL 4910 Senior Research Seminar 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 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.

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 6 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
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- Restricted Elective 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- REL 2000 Introduction to Religion and Cultural Studies 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

UNIVERSITY OF CENTRAL FLORIDA
**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)

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Required</td>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business or Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Selected 1:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Required</td>
<td>STA 2023</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 2. Core Requirements (135 hrs)

#### A. Communication Foundations (9 hrs)
- Required: CGS 2100C

#### B. Cultural & Historical Foundations (9 hrs)
- Required: CGS 2100C

#### C. Mathematical Foundations (6 hrs)
- Required: MAC 1105C

#### D: Social Foundations (6 hrs)
- Required: ECO 2013
- Required: ECO 2023

#### E: Science Foundations (6 hrs)
- Required: STA 2023

### 3. Core Requirements: Basic Level (51 hrs)

#### Hospitality Core Requirements (30 hrs)
- Required: HFT 4246, HFT 4261, HFT 4447, HFT 4861

#### Internships (3 hrs)
- Required: HFT 4941, HFT 4942, HFT 4944

#### Restaurant Management Core (18 hrs)
- Required: FSS 3124, HFT 2254, HFT 2363, HFT 3813

### 5. Restricted Electives (15 hrs)

#### Select 5: (15 hrs)
- Required: FSS 3108, FSS 4135, FSS 4296C, HFT 3654, HFT 3868, HFT 4065, HFT 4266, HFT 4268

### 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
UCF Degree Programs

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
- 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

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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
- 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 residency 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 if 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
- ENC 1101 Composition I 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cul/Hist. Foundations I 3 hrs

Select 1:
- PSY 2012 General Psychology 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
- SPG 1608 Fundamentals of Oral Communication 3 hrs
- FSS 2221C Techniques of Food Preparation 4 hrs
- Cul/Hist. Foundations II 3 hrs

Select 1:
- GGS 1060C Introduction to Computers or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Fall
- HFT 2220 Hospitality Human Resources Management 3 hrs
- Science Foundations I 3 hrs
- Free Electives 5 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- Science Foundations II 3 hrs
- Cul/Hist. Foundations III 3 hrs
- Free Elective 3 hrs

Junior Year - Fall
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- FSS 3124 Supply and Procurement Management 3 hrs
- HFT 2254 Lodging Operations 3 hrs
- HFT 3263 Restaurant Management 3 hrs
- HFT 3940 Internship I 1 hr

Junior Year - Spring
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
- HFT 3813 Foodservice Marketing, Sales, and Distribution 3 hrs
- HFT 4457 Food, Beverage, and Labor Cost Controls 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs
- HFT 3941 Internship II 1 hr
- Restaurant Restricted Elective 3 hrs

Senior Year - Fall
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4861 Beverage Management 3 hrs
- HFT 4944 Internship III 1 hr
- Restaurant Restricted Elective 3 hrs

Senior Year - Spring
- HFT 4295 Leadership and Strategic Management in the Hospitality Industry 3 hrs
- Restaurant Restricted Electives 9 hrs
- Free 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: $37.50 per term
- Full-Time Student: $75 per term

Science Education - Biology (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, ED123Q, janet.andreasen@ucf.edu

The Science Education - Biology B.S. 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.
3. Core Requirements: Basic Level (3 hrs)
- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 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

- BSC 2010C Biology I
- BSC 2011C Biology II
- CHM 2045C Chemistry Fundamentals I
- CHM 2046C Chemistry Fundamentals II
- PSC 1121 Physical Science

Education Track
- EDF 2130 Child and Adolescent Development for Educators

Lifelong Learning Track
- MHS 2330 Career Planning

Select 1:
- EDF 2130 Child and Adolescent Development for Educators
- EDP 2270 Adult Development & Learning

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
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools

1. EDG 4410 Teaching Strategies and Classroom Management
- EEX 4242 Teaching Exceptional Students in Secondary Settings
- RED 4043 Content Reading in Kindergarten through Grade 12
- TSL 4080 Theory and Practice of Teaching ESOL

Lifelong Learning Track
- SGE 4361 Programs in Teaching Science

1 Prerequisite to Internship I

Education Track Specialization Requirements 21 hrs

- CHM 2205 Introduction to Organic and Biochemistry
- CHM 2048L Chemistry Fundamentals Laboratory
- CHM 2048L Chemistry Fundamentals Laboratory
- PCB 3044 Principles of Ecology
- PCB 3044L Principles of Ecology Laboratory
- MCB 3020C General Microbiology
- SCE 4361 Programs in Teaching Science

Select 1:
- PCB 3703C Human Physiology or
- ZOO 3733C Human Anatomy
- PCB 3063 Genetics & PCB 3063L Genetics Lab

Internship I Block 7 hrs
- Program Internship I Prerequisites: EDG 4410, TSL 4080
- Select 1 requires 4 hrs
- Program Internship I Prerequisites: EDG 4410, TSL 4080

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

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/clinicalex/
- 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 3202C 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
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 4 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 3708 Fairs and Festivals 3 hrs
HFT 4764 Exhibit and Trade Show Operations 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs

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)
- Recommended Four Year Sequence of Courses

Freshman Year - Fall 12 hrs
GEP B1 Elective 3 hrs
ENC 1101 Composition I 3 hrs
PSY 2012 General Psychology 3 hrs

Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
**Education Track**
- SCE 4360 Science Instructional Analysis and 4 hrs
- SCE 3940 Internship 3 hrs

**Lifelong Learning Track**
- Choose Lifelong Learning Specialization courses 7 hrs

**Senior Year - Spring**
- Education Track 12 hrs
- SCE 4941 Internship and 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/aic/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

**Science Education - Chemistry (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 Science Education Chemistry B.S 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 all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.
- 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.

- 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.
UCF Degree Programs

1. UCF General Education Program (GEP) (37 hrs)
   Report 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 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
   General Education Program elective: Prefer a second course from GEP section B1

   C: Mathematical Foundations (6 hrs)
   Required MAC 1144 College Trigonometry 3 hrs

   Select 1: 3 hrs
   Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   Prefer STA 2044C 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)
   1 Required BSC 2010C Biology I 4 hrs
   1 Required PSC 1121 Physical Science 3 hrs

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

2. Common Program Prerequisites (CPP) (21 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   EDF 2005 Introduction to the Teaching Profession 3 hrs
   1 EDF 2085 Introduction to Diversity for Educators 3 hrs
   EM E 2040 Introduction to Technology for Educators 3 hrs
   CHM 2045C Chemistry Fundamentals I 4 hrs
   CHM 2046 Chemistry Fundamentals II 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   PHY 2053C College Physics I 4 hrs

   1 In addition, 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 (4 hrs)
   Education Track requires 4 semester hours
   Lifelong Learning Track requires 7 semester hours
   Transfer Notes: Courses taken at Florida College

   Education Track:
   EDF 2130 Child and Adolescent Development for Educators 3 hrs

   Lifelong Learning Track:
   MHS 2330 Career Planning 3 hrs

   Select 1: 3 hrs
   EDF 2130 Child and Adolescent Development for Educators or 3 hrs
   EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (55 hrs)
   Education Track requires 56 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
   EDG 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
   SCE 4361 Programs in Teaching Science 3 hrs

   1 Prerequisite to Internship I

   Education Track Specialization Requirements (21 hrs)

   CHM 2046 Chemistry Fundamentals II CPP
   CHM 2046L Chemistry Fundamentals Laboratory CPP
   PHY 2053C College Physics I CPP
   CHM 3120 Analytical Chemistry 3 hrs
   CHM 3120L Analytical Chemistry Laboratory 1 hr
   CHM 2210 Organic Chemistry I 3 hrs
   CHM 2211 Organic Chemistry II 3 hrs
   CHM 2311 Organic Chemistry Techniques I 2 hrs
   CHS 3501 Introduction to Forensic Science 3 hrs
   BCH 4053 Biochemistry I 3 hrs
   SCE 4361 Programs in Teaching Science 3 hrs

   Internship I Block 7 hrs
   Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
   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/clinicalxp/

   SCE 3420 Science Instructional Analysis 4 hrs
   SCE 3940 Internship 3 hrs

   Internship II 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/clinicalxp/
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 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.

CHM 3120  Analytical Chemistry  3 hrs
CHM 3120L  Analytical Chemistry 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
CHS 3501  Introduction to Forensic Science  3 hrs
BCH 4053  Biochemistry I  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 3611  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  4 hrs
MAN 3025  Management of Organizations  3 hrs
MAN 4101  Human Relations in Management  3 hrs
MAR 3023  Marketing  3 hrs
ECT 4194  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  Exhibits and Trade Show Operations  3 hrs
SCE 4360  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

Transfer Notes
None

Acceptable Substitutes for Transfer Courses
None

Plan of Study (120 hrs)
Recommended Four Year Sequence of Courses

Freshman Year - Fall  13 hrs
GEPE 1102  Global Perspectives Elective  3 hrs
EN H102  Composition I  3 hrs
PSC 1121L  Physical Science Lab  1 hr
PSC 1121  Physical Science  3 hrs
PSY 2012  General Psychology  3 hrs

Freshman Year - Spring  12 hrs
ENC 1102  Composition II  3 hrs
MAC 1141  College Trigonometry  3 hrs
MAC 1142  Calculus I  3 hrs
PHI 2010  Introduction to Philosophy  3 hrs
GEPE 1102  Global Perspectives Elective (Prefer course from section B1)

Freshman Year - Summer  6 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:
STA 2014C  Principles of Statistics or  3 hrs
STA 1063C  Basic Statistics Using Microsoft Excel  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 2065  Introduction to Diversity for Educators  3 hrs
EME 2040  Introduction to Technology for Educators  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
315  Undergraduate Catalog 2016-2017
### Education Track

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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<tr>
<td>CHM 2110</td>
<td>Organic Chemistry I</td>
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<td>CHM 3120</td>
<td>Analytical Chemistry</td>
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<tr>
<td>CHM 3120L</td>
<td>Analytical Chemistry Laboratory</td>
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### Lifelong Learning Track

**Select 1:**

<table>
<thead>
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<th>Course Code</th>
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<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
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<td>EDF 2270</td>
<td>Adult Development &amp; Learning</td>
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**Select 2:**

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<tr>
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<tbody>
<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
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### Education Track - 7 hrs

<table>
<thead>
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<tbody>
<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
<td>4 hrs</td>
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### Lifelong Learning Track - 7 hrs

Choose Lifelong Learning Specialization courses

### Junior Year - Fall - 16 hrs

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<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
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<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
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### Junior Year - Spring - 14 hrs

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<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
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<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
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### Education Track - 8 hrs

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<tbody>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I and II</td>
<td>2 hrs</td>
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<tr>
<td>CHS 3501</td>
<td>Introduction to Forensic Science</td>
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</table>

### Lifelong Learning Track - 8 hrs

<table>
<thead>
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<th>Course Code</th>
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<tr>
<td>MHS 2330</td>
<td>Career Planning and Development</td>
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<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
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### Senior Year - Fall - 13 hrs

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<tr>
<td>EDF 4503</td>
<td>Analysis and Application of Ethical, Legal and Safety Issues in Schools</td>
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### Education Track - 10 hrs

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<th>Course Code</th>
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<tr>
<td>SCE 4380</td>
<td>Science Instructional Analysis and Measurement</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SCE 3940</td>
<td>Internship and Practicum</td>
<td>3 hrs</td>
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<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
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### Lifelong Learning Track - 10 hrs

Choose Lifelong Learning Specialization courses

### Senior Year - Spring - 12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ESE 4033C</td>
<td>Critical Issues and Trends in Secondary Education</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.oelas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees

- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

---

### Education - Physics (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 Science Education-Physics B.S. 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 all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement
- 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 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major.
- 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)**

   Students are advised to take the preferred courses.

   **A: Communication Foundations**
   - Required: ENC 1101 Composition I | 3 hrs
   - Required: ENC 1102 Composition II | 3 hrs
   - Prefer: SCE 1608 Fundamentals of Oral Communication | 3 hrs

   **B: Cultural & Historical Foundations**
   - General Education Program elective from section B1 to meet Gordon Rule Requirement
   - Select 1:
     - Prefer: MUL 210 Enjoyment of Music or Aesthetics | 3 hrs
     - Prefer: THE 2000 Theatre Survey or Aesthetics | 3 hrs
     - Prefer: PHI 2010 Introduction to Philosophy | 3 hrs
     - General Education Program elective: Prefer a second course from GEP section B1

2. **Mathematical Foundations**

   Required: MAC 2311C Calculus with Analytic Geometry | 4 hrs

   **Select 1:**
   - Prefer: STA 1063C Basic Statistics Using Microsoft Excel or
   - Prefer: STA 2014C Principles of Statistics | 3 hrs

3. **Social Foundations**

   - Prefer: POS 2041 American National Government | 3 hrs
   - Prefer: PSY 2012 General Psychology | 3 hrs
### Education Core Requirements

- Phy 2048C General Physics Using Calculus I (GEP)

### Lifelong Learning Track Core Requirements (21 hrs)

#### 2. Common Program Prerequisites (CPP) (29 hrs)

- See "Common Prerequisites" in the Transfer and Transition 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)
- 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 2049C General Physics Using Calculus I (GEP)
- PHY 2049G General Physics Using Calculus II (4 hrs)
- CHM 2045C Chemistry Fundamentals I (4 hrs)
- CHM 2045G Chemistry Fundamentals I (4 hrs)
- CHM 2046 Chemistry Fundamentals II (3 hrs)
- CHM 2046G Chemistry Fundamentals Laboratory (1 hr)

1 A grade of "C-" (1.75) or better is required.  
2 A grade of "C- (1.75) or better is required.

### Internship I Block

- Program Internship I Prerequisites: EDG 4410, TSL 4080 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.

### Internship II Block

- 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/](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.

### Lifelong Learning Track Specialization

- 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>
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<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
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<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus II</td>
<td>3 hrs</td>
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<tr>
<td>PHY 3101</td>
<td>General Physics Using Calculus III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESE 4033C</td>
<td>Critical Issues and Trends in Secondary Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4941</td>
<td>Directed Field Experience</td>
<td>1 hr</td>
</tr>
<tr>
<td>EDG 4043</td>
<td>Service Learning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3525</td>
<td>Digital Media Production I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2030</td>
<td>Digital Video Fundamentals</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

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 3484  Psychology of Aging  3 hrs
EXP 3604  Cognitive Psychology  4 hrs
EXP 3250  Principles of Human Factors Psychology  3 hrs
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HFT 2750  The Event Industry  3 hrs
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HFT 4754  Exhibit and Trade Show Operations  3 hrs
SCE 4360  Science Instructional Analysis  4 hrs

5. Restricted Electives
■ None

6. Capstone Requirements
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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/

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■ 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
15 hrs
GEP B1 Elective  3 hrs
ENC 1101 Composition I  3 hrs
PHY 2048C General Physics Using Calculus I  4 hrs
SMC 1060 Introduction to the Teaching Profession  3 hrs

Sophomore Year - Fall
14 hrs
MAC 2313 Calculus with Analytic Geometry I  4 hrs
EDF 2005 Introduction to Diversity for Educators  3 hrs

Junior Year - Fall
12 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings  3 hrs
EDG 4410 Teaching Strategies and Classroom Management  3 hrs

Senior Year - Fall
11 hrs
EDG 4415 Teaching Strategies and Classroom Management  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

Junior Year - Fall
12 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings  3 hrs
EDG 4410 Teaching Strategies and Classroom Management  3 hrs

Education Track
3 hrs
PHY 3101 General Physics Using Calculus III  3 hrs

Lifelong Learning Track
3 hrs
Choose Lifelong Learning Specialization course  3 hrs

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Junior Year - Spring  
EDF 4467 Learning Theory and Assessment 3 hrs  
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs  
CHM 2046 Chemistry Fundamentals II 3 hrs  
CHM 2046L Chemistry Fundamentals Laboratory 1 hr  
Education Track 4 hrs  
PHY or PHZ 3000 or 4000 level elective 4 hrs  
Lifelong Learning Track 4 hrs  
MHS 2330 Career Planning and Choose Lifelong Learning Specialization course 1 hr  
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  
Education Track 10 hrs  
SCE 4360 Science Instructional Analysis 4 hrs  
SCE 3940 Internship 3 hrs  
Select 1: 3 hrs  
PHY 3752C Physics of Scientific Instruments or PHY 3722C Physics Laboratory-Electronics 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 Education 3 hrs  
Lifelong Learning Track 12 hrs  
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.oelas.ucf.edu/aict/academic_learning_compacts.htm  
Equipment Fees  
- Part-Time Student: $12 per term  
- Full-Time Student: $24 per term  

Social Science Education (B.S.)  
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 B.S. 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, 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 all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of "C-" (1.75) or better.  
- Meet the Gordon Rule Requirement.  
- 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  EIH 2000 Western Civilization I 3 hrs  
Prefer  MLO 3041 World History 3 hrs  

C: Mathematical Foundations (6 hrs)  
Select 1: 3 hrs  
Prefer  STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs  
Prefer  STA 2014C 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)  
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) (12 hrs)  
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.  

EDP 2005 Introduction to the Teaching Profession 3 hrs  
EDP 2085 Introduction to Diversity for Educators 3 hrs  
EME 2040 Introduction to Technology for Educators 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  

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 (9 hrs)  
- Education Track requires 9 semester hours  
- Lifelong Learning Track requires 12 semester hours  

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  

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.
UCF Degree Programs

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

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, specialization 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 4033C Critical Issues and Trends in Secondary Education 3 hrs

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.

Field of Concentration Upper Level Courses (1-39 hrs of 1 hr)
AFH, AMH, ASH, CPO, HUM, INR, LAH or POS 3/4XXX)

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 4 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

Lifelong Learning Track Specialization Requirements 27 hrs

ECO 2023 Principles of Microeconomics 3 hrs
EUH 2000 Western Civilization I GEP
EUH 2001 Western Civilization II 3 hrs
AMH 2010 U.S. History: 1492-1877 GEP
AMH 2020 U.S. History: 1877-Present CPP
POS 2041 American National Government GEP
PSY 2012 General Psychology GEP
SSE 4936 Programs in Teaching Social Science 3 hrs
Upper Division Non-Western History Elective (AFH, ASH, or LAH prefix courses 3/4XXX) 3 hrs
Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX) 3 hrs
Upper Division American History Elective (AMH prefix courses 3/4XXX) 3 hrs
Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX) 6 hrs
GEO 3471 World Political Geography or approved 3 hrs
3000/4000 level Geography elective 3 hrs

Internship I Block 6 hrs
Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management 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, specialization and overall for admission to Internship I.

Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

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

SSE 4361 Social Science Instructional Analysis 3 hrs
SSE 3940 Internship 3 hrs
UCF Degree Programs

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 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
- 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
- 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

Sophomore Year - Fall 15 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- PSC 1121 Physical Science 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- Select 1:
  - STA 1063C Basic Statistics Using Microsoft Excel or 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
- ECO 2023 Principles of Microeconomics and 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track
- MHS 2330 Career Planning 3 hrs

Junior Year - Fall 15 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- SSE 4361 Programs in Teaching Social Science 3 hrs
- Select 1: 3 hrs
  - MHS 2330 Career Planning 3 hrs

Junior Year - Spring 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EME 2085 Introduction to Diversity for Educators 3 hrs
- EDF 2040 Introduction to Technology for Educators 3 hrs

Education Track
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

Sophomore Year - Spring 9 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Education Track
- EUH 2000 Western Civilization I and 3 hrs
- Upper Division Political Science Elective (CPO, INR, POS 3/4XXX) 3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 6 hrs

Junior Year - Fall 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

Education Track
- EUH 2001 Western Civilization II and 3 hrs
- Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX) 3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 6 hrs

Junior Year - Spring 12 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Education Track
- SSE 3940 Internship and 3 hrs
- SSE 4361 Social Science Instructional Analysis and 3 hrs
- GEO 3471 World Political Geography or approved 3 hrs
- 3000/4000 level Geography elective 3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 6 hrs

Senior Year - Fall 15 hrs
- 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
- Upper Division American History Elective (AMH 3/4XXX) 3 hrs
- Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, LAH or POS 3/4XXX) 3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 9 hrs
UCF Degree Programs

Senior Year - Spring  12 hrs
Education Track  12 hrs
SSE 4941  Internship and Education  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

Social Sciences (B.S.)
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://cos.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.
- 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:  3 hrs
   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)

C: Mathematical Foundations  (6 hrs)

Statistics:
- Required STA 2014C  Principles of Statistics or 3 hrs
- 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

D: Social Foundations  (6 hrs)

Select the following course:  3 hrs
- 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 3 hrs
- Required PSY 2012  General Psychology or 3 hrs
- Required SYG 2000  Introduction to Sociology  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.
- Students must complete two introductory courses in a social science discipline.
- Course selection depends on concentration to be followed.

3. Core Requirements: Basic Level

Select one of the following Statistics courses:
- STA 2014C  Principles of Statistics or 3 hrs
- STA 2023  Statistical Methods I  3 hrs

Select at least three of the following, depending on concentrations to be taken:
- ANT 2000  General Anthropology or 3 hrs
- POS 2041  American National Government or 3 hrs
- PSY 2012  General Psychology or 3 hrs
- SPC 1608  Fundamentals of Oral Communication or 3 hrs
- SYG 2000  Introduction to Sociology or 3 hrs

4. Core Requirements: Advanced Level  (57 hrs)

Select one methods’ course:  3 hrs
- POS 3703  Scope and Methods of Political Science or 3 hrs
- PSY 3213C  Research Methods in Psychology or 5 hrs
- SYA 4300C  Research Methods or 4 hrs
- 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
  - Communication  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 an 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 CPO, INR, or POT prefixes)
  - Human 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, CPO, 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, CPO, 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 an 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.

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Prior to enrolling in Math, take Math Placement Test ~ http://utcc.sdes.ucf.edu
UCF Degree Programs

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

Social Work (B.S.W.)
College of Health and Public Affairs
School of Social Work, Health and Public Affairs I, Room: 204
http://www.cohpa.ucf.edu/social/
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.
- 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 2014C Principles of Statistics or 3 hrs
   - STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)
   Required
   - POS 2041 American National Government
   - PSY 2012 General Psychology
   - SYG 2000 Introduction to Sociology 3 hrs
   Select 1: 3 hrs
   ECO 2013 Principles of Macroeconomics or
   ECO 2023 Principles of Microeconomics

2. Common Program Prerequisites (CPP) (6 hrs)
   See Transfer Notes
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. 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
   SOW 3300 Practice I: Generalist Practice in Social Work
   SOW 3111 Human Behavior and the Social Environment II
   SOW 3352 Practice II: Interpersonal Skills in Social Work
   SOW 3401 Social Work Research
   SOW 3620 Culturally Competent Social Work Practice
   SOW 4730 Documentation in Social Work Practice
   SOW 4232 Social Welfare Policies and Issues
   SOW 4341 Micro-Level Roles and Interventions in Social Work
   SOW 4343 Macro-Level Roles and Interventions in Social Work
   SOW 4522 Field Education Seminar
   SOW 4510 Field Education

Required Principles of Statistics 3 hrs
- Choose one of the following suggested courses, or see advisor for more options:
  - STA 2014C 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 4332 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 4442 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
  - JST 3820 Modern Israeli Culture 3 hrs
  - 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 3561 Women in American History I 3 hrs
  - AMH 3571 Black American History I 3 hrs
  - AMH 3586 History of Latinos in the U.S. 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
   - 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

Honors In Major
   - Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor Course.
   - Complete a three-credit thesis course.
   - Earn a 3.5 GPA in your Social Work major.
   - Earn a cumulative 3.2 GPA in your total UCF courses.
   - Complete 60 hours of college credit, including 12 upper division hours at UCF.

Related Programs
   - Criminal Justice
   - Psychology
   - Sociology
   - Public Administration

Certificates
   - Aging Studies
   - Children’s Services

Related Minors
   - Health Services Administration
   - Aging Studies
   - Psychology
   - Sociology
   - 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

Plan of Study

Freshman Year - Fall 14 hrs
- ENC 1101: Composition I 3 hrs
- BSC 1005: Biological Principles 3 hrs
- GEP Math: may use PAF 2102 2 hrs
- Public Affairs Careers 3 hrs
- SYG 2000: Introduction to Sociology or PSY 2012: General Psychology 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102: Composition II 3 hrs
- STA 2014C: Principles of Statistics 3 hrs
- POS 2041: American National Government 3 hrs
- SYG 2000: Introduction to Sociology 3 hrs
- GEP Cultural 3 hrs

Sophomore Year - Fall 15 hrs
- GEP Communication 3 hrs
- GEP Historical 3 hrs
- SOW 2020: Careers in Creating Social Change 3 hrs
- Select 1: 3 hrs
- SYG 2013: Principles of Macroeconomics 3 hrs
- SYG 2023: Principles of Microeconomics 3 hrs

Sophomore Year - Spring 15 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- GEP Science 3 hrs
- GEP Historical 3 hrs
- Foreign Language II or Cultural Diversity 3 hrs

Sophomore Year - Summer 6 hrs
- Select 1: 3 hrs
- SOW 3104: Human Behavior and the Social Environment I or Environment I or
- SOW 3300: Practice I: Generalist Practice in Social Work or
- SOW 3620: Culturally Competent Social Work Practice 3 hrs
- SOW Elective 3 hrs

Junior Year - Fall 15 hrs
- SOW 3284: Social Work Perspectives on Social Justice 3 hrs
- SOW 3104: Human Behavior and the Social Environment I or Environment I or
- SOW 3300: Practice I: Generalist Practice in Social Work or
- SOW Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring 15 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
- Free Elective 3 hrs

Junior Year - Summer 9 hrs
- SOW 3620: Culturally Competent Social Work Practice 3 hrs
- SOW 4343: Macro-Level Roles and Interventions in Social Work 3 hrs
- SOW Elective 3 hrs

Senior Year - Fall 18 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 4730: Documentation in Social Work Practice 3 hrs
- Free Elective 3 hrs
UCF Degree Programs

For Part-time students ONLY: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Sociology (B.A.)
Department of Sociology
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 in research, and internships must be approved by the sociology department prior to enrollment.

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.

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 1105 College Algebra 3 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 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   SYA 3110 Social Theory 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
   Met by graduation requirement.

8. Electives
   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.

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

Admission Requirements
- 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 (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
- 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
- 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
- SYG 3110 Social Theory 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring
- SYA 4300C Research Methods 4 hrs
- SYA 3400C Applied Social Statistics 4 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Junior Year - Fall
- SYA 4450 Data Analysis: Capstone 4 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
- SYA 4450 Data Analysis: Capstone 4 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

Senior Year - Spring
- 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 3000 level or above.
- At least 6 of the 36 Spanish credits must be at the 4000 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 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
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 MGF 1107, Explorations in Mathematics

2. **Common Program Prerequisites (CPP)**
   - See “Common Prerequisites” in the Transfer and Transition 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)

   **Statistics - Computers**
   - 3 hrs
   - Select a course from GEP C.2 list
   - You may substitute a higher level math with appropriate scores on the Math Placement Test

3. **Core Requirements: Basic Level**
   - 6 hrs
   - SPN 3234, Advanced Directed Readings

4. **Core Requirements: Advanced Level** (15 hrs)
   - 1 SPN 3300, Advanced Spanish Grammar and Composition (3 hrs)
   - 1 SPN 3420, Spanish Composition (3 hrs)
   - 1 SPN 3700, Advanced Spanish Oral Communication (3 hrs)

5. **Restricted Electives** (21 hrs)
   - Select one linguistics course from the following:
     - SPN 4801, Spanish Morphology (3 hrs)
     - SPN 4800, The Syntax of Spanish (3 hrs)
     - SPN 4780, Spanish Phonetics (3 hrs)
     - SPN 4852, Bilingualismo (3 hrs)
     - SPN 4850, Structure of the Spanish Language (3 hrs)

6. **Capstone Requirements**
   - None

7. **Foreign Language Requirements**
   - **Admissions**
     - Met by Graduation requirements.
   - **Graduation**
     - Met by Common Program Prerequisites.
   - **Electives**
     - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

8. **Additional Requirements**
   - None

9. **Required Minors**
   - None

10. **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.
    - Computer Competency met by the following or equivalent:
      - CGS 1060C, Introduction to Computers (3 hrs)

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. **Degree Programs**
    - **Total Semester Hours Required**
      - 120

**Honors In Major**
- None

**Related Programs**
- French
- 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.
- Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute third-year level composition and conversation courses.

**Acceptable Substitutes for Transfer Courses**
- None

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**UNIVERSITY OF CENTRAL FLORIDA**

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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 I 4 hrs
Elective / Minor 3 hrs

Freshman Year - Spring 14 hrs
ENC 1102 Composition II 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
Elective / Minor 4 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

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

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

Senior Year - Fall 15 hrs
SPW 3100 Survey of Spanish Literature I 3 hrs
SPN 4510 Spanish Civilization and Culture 3 hrs
SPN 5705 Introduction to Spanish Linguistics 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

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/aic/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 coaching at all levels of competition, in a variety of sports, including strength and conditioning. Students are provided with a combination of course content as well as practical field and laboratory experiences. The Coaching Track 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 (FLDOE). For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/ The Human Performance 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 SPN 1120B 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:

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

C: Mathematical Foundations (6 hrs)

Select 1:

Preferred MGF 1106 Finite Mathematics or 3 hrs
Preferred MAC 1114C College Trigonometry 3 hrs

Select 1:

Preferred STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
Preferred STA 2023 Statistical Methods I 3 hrs
### UCF Degree Programs

#### 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 BSC 2010C Biology I 4 hrs
- Select 1: 3 hrs
  - Prefer PSC 1121 Physical Science or 3 hrs
  - Prefer 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:
- ZOO 3738C Exercise Physiology Anatomy or 4 hrs
- ZOO 3733C Human Anatomy 4 hrs

##### Select 1:
- PET 4312C Kinesiology/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
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4050C Motor Development and Learning 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
- SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs

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 3941. For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/.

##### B. Track 2 - Human Performance 24 hrs
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs
- PET 4143 Current Issues & Trends in Sport and Exercise Science 3 hrs
- PET 3125 Fitness and Weight Management 3 hrs
- PET 4088 Physical Activity & Preventive Medicine 3 hrs

#### 5. Restricted Electives (25 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 studies, 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.

#### 6. Capstone Requirements (12 hrs)
- PET 4901 Capstone in Sport and Exercise Science 3 hrs
- Select 1: 9 hrs
  - PET 4926 Sport and Exercise Science Practicum or 9 hrs
  - Take 3 additional electives in the program approved by the advisor

During the final year of the program, students will complete Practicum requirements 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. These experiences 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. The UCF Faculty Supervisor will maintain periodic contact with the Practicum Site Supervisor to check performance status.

- Students in the 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 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.

#### 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.)
# UCF Degree Programs

## 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

## Advising Notes
- Students must meet with their advisor before enrolling each term.

## 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

### Sophomore Year - Spring
- 15 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
  - STA 2023 Statistical Methods I 3 hrs

### Sophomore Year - Fall
- 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
- 16 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

### 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
  - SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs
  - Elective Course (2000 level or higher) 3 hrs
  - PSC 1121 Physical Science or 3 hrs
  - Elective Course (2000 level or higher) 3 hrs
  - ZOO 3736C Exercise Physiology Anatomy or 4 hrs

### Senior Year - Spring
- 12 hrs
  - PET 4901 Capstone in Sport and Exercise Science 3 hrs

### Senior Year - Summer
- 9 hrs
  - PET 4926 Sport and Exercise Science Practicum or 9 hrs
  - Take 3 additional electives in the program approved by advisor

### 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

#### Junior Year - Spring
- 15 hrs
  - Elective Course (2000 level or higher) 3 hrs
  - PET 3771 Strength and Conditioning Concepts 3 hrs
  - APK 4110C Exercise Physiology 3 hrs
  - ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
  - PET 4215 Motivational Aspects of Athletic Performance 3 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
  - SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs
  - Elective Course (2000 level or higher) 3 hrs
  - PSC 1121 Physical Science or 3 hrs
  - Elective Course (2000 level or higher) 3 hrs
  - ZOO 3736C Exercise Physiology Anatomy or 4 hrs

### Senior 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 4215 Motivational Aspects of Athletic Performance 3 hrs

### Senior Year - Summer
- 9 hrs
  - PET 4926 Sport and Exercise Science Practicum or 9 hrs
  - Take 3 additional electives in the program approved by advisor

## University of Central Florida
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Select 1: 3 hrs
- PET 4325 Functional Kinesiology for Sport and Exercise Science 3 hrs
- PET 4312C Kinesiology/Biomechanics 3 hrs

Senior Year - Spring 12 hrs
- PET 4901 Capstone in Sport and Exercise Science 3 hrs

Select 1: 9 hrs
- PET 4926 Sport and Exercise Science Practicum or Research 9 hrs
- Take 3 additional electives in the program approved by an advisor

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

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.
- STA 2023 Statistical Methods I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

1. UCF General Education Program (GEP) (39 hrs)
- Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.

A: Communication Foundations (9 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

C: Mathematical Foundations (7 hrs)
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Required ANT 2000 General Anthropology or 3 hrs
- Required PSY 2012 General Psychology or 3 hrs
- 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 GEP 4 hrs
  - Required PHY 2053C College Physics I 4 hrs

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 3233C Introduction to Programming with C 3 hrs
- MAC 2311C Calculus with Analytic Geometry I and CPP 4 hrs
- MAC 2312 Calculus with Analytic Geometry II and CPP 4 hrs
- MAC 2313 Calculus with Analytic Geometry III and CPP 4 hrs
- STA 2023 Statistical Methods I and CPP

Complete two laboratory courses designated 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

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;

Core: Required, satisfies the CPP
- COP 3233C Introduction to Programming with C and CPP
- MAC 2311C Calculus with Analytic Geometry I and CPP
- MAC 2312 Calculus with Analytic Geometry II and CPP
- MAC 2313 Calculus with Analytic Geometry III and CPP
- STA 2023 Statistical Methods I and CPP

- and two semesters equivalent within the following:
- These satisfy the requirement for two semesters equivalent of science courses with labs designed for majors.
  - CHM 2045C Chemistry Fundamentals I and CPP
- or an alternate sequence,
  - These two semesters only count as one, and are considered as equivalent to the above course.
  - CHM 2040 Chemistry Fundamentals IA and GEP/CPP
  - CHM 2041 Chemistry Fundamentals IB and GEP/CPP

- or complete both
- Lecture plus lab count as one semester.
  - CHM 2046 Chemistry Fundamentals II and GEP/CPP
  - CHM 2046L Chemistry Fundamentals Laboratory GEP/CPP

4. Core Requirements: Advanced Level (40 hrs)
- STA 4102 Computer Processing of Statistical Data 3 hrs
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- PET 3903 Computer Applications GEP
- PET 3997 Senior Project GEP
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- PET 3903 Computer Applications GEP
- PET 3997 Senior Project GEP
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- COT 4500 Numerical Calculus 3 hrs
## UCF Degree Programs

### 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**

### Electives

- **Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.**

### 6. Capstone Requirements

- **None**

### 7. Foreign Language Requirements

- **None**

### Required Minors

- **None**

### 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.**

### University Minimum Exit Requirements

- **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/placement**
- **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
- **CHM 2045C Chemistry Fundamentals I or PHY 2053C College Physics I** 4 hrs

### Select one course:

- **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

### 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

### 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

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**UNIVERSITY OF CENTRAL FLORIDA**

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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.

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

Technical Specialization Requirements
- Students must complete an area of specialization through occupation-specific courses approved by advisor.

5. Restricted Electives
- With advisor’s approval

Directied Field Experience
- The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

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

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPC 1808 Fundamentals of Oral Communication 3 hrs
- Social Foundations Course (Prefer State General Education Core Course) 3 hrs
- Cultural-Historical Foundations Course 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs
- Cultural-Historical Foundations Course ( Prefer State General Education Core Course) 3 hrs
- Cultural-Historical Foundations Course 3 hrs
- Social Foundations Course 3 hrs

Sophomore Year - Fall 12 hrs
- EDP 2005 Introduction to the Teaching Profession 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- Technical Specialization Course 3 hrs
- Science Foundations Course 3 hrs
- Foreign Language Course (if needed) 4 hrs

Sophomore Year - Spring 12 hrs
- EDP 2085 Introduction to Diversity for Educators 3 hrs
- Technical Specialization Course 3 hrs
- Technical Specialization Course 3 hrs
- Science Foundations Course (Prefer State General Education Core Course) 3 hrs
- Foreign Language Course (if needed) 4 hrs

Sophomore Year - Summer 6 hrs
- ECW 3564 Special Populations in Career & Technical Education 3 hrs

Select 1: 3 hrs
- ECW 3312 Course Construction in Health Occupations Education or ECT 3371 Course Construction in Industrial Education 3 hrs

Junior Year - Fall 15 hrs
- ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs
- Technical Specialization Courses 12 hrs

Junior Year - Spring 15 hrs
- Professional Roles of the Career & Technical Teacher 3 hrs
- ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
- Technical Specialization Courses 9 hrs

Senior Year - Fall 12 hrs
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs
- Upper Division Electives 6 hrs

Senior Year - Spring 12 hrs
- ECT 4941 Internship 12 hrs

Senior Year - Summer
- See advisor for certification details.

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

Theatre - Acting Track (B.F.A.)

College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
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. 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.
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](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 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 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)

1 Required THE 2020 Survey of Theatre for Majors

This course is only taught during the fall semesters

C: Mathematical Foundations (6 hrs)

Math:

Suggested MGF 1107 Explorations in Mathematics or 3 hrs

Suggested MGF 1106 Finite Mathematics or 3 hrs

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

3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

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

1 THE 2020 Survey of Theatre for Majors GEP

1 THE 2305 Script Analysis for Theatre 3 hrs

THE 2926L Theatre Participation - Management I 1 hr

TPA 2260L Theatre Participation-Production I 1 hr

TPP 2110C Acting I - Introduction 3 hrs

1 TPA 2200 Introduction to Technical Theatre 2 hrs

TPA 2200L Intro to Technical Theatre Lab 1 hr

Theatre Electives (THE, TFF, TPP prefix) 9 hrs

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level (12 hrs)

TPA 2248C Makeup Techniques 2 hrs

DAA 2200C Ballet I 2 hrs

TPP 2170C Acting II - The Actor Prepares 3 hrs

TPP 2710C Voice Production I 2 hrs

TPP 2190L Theatre Participation-Performance I 1 hr

Select 1:

DAA 2100C Modern Dance I or 2 hrs

DAA 2570C Jazz Dance I 2 hrs

4. Core Requirements: Advanced Level (55 hrs)

THE 3311 Theatre History and Dramatic Literature I 3 hrs

THE 3312 Theatre History and Dramatic Literature II 3 hrs

THE 3313 Theatre History and Dramatic Literature III 3 hrs

1 TPP 3310C Directing for Theatre I 3 hrs

TPP 3713C Acting III - Building the Character 3 hrs

TPP 4140C Acting IV - Creating the Role 3 hrs

TPP 4142C Acting Verse 3 hrs

TPP 4265C Camera Acting 3 hrs

TPP 3710C Voice Production II 2 hrs

TPP 3712C Voice Production III 2 hrs

TPP 4730C Dialects 2 hrs

TPP 3510C Movement for the Actor I 2 hrs

TPP 3513C Movement for the Actor II 2 hrs

TPP 4531C Period Movement 2 hrs

TPP 4512C Stage Combat 2 hrs

TPP 3257C Musical Theatre Voice Techniques 2 hrs

TPP 3258C Musical Theatre Voice Styles 2 hrs

TPP 4221 Auditioning 3 hrs

TPP 4223C Theatre Careers for Performance 3 hrs

TPP 4940L Theatre Internship 6 hrs

THE 4954 Theatre Exit Critique 0 hrs

Select 1

1 TPP 4298L Theatre Participation-Production II or 1 hr

1 THE 4093L Theatre Participation-Management II or 1 hr

1 TPP 4193L Theatre Participation-Performance II or 1 hr

1 See Transfer Notes for possible substitutions.

5. Restricted Electives (6 hrs)

Any THE, 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 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

- 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.

Total Semester Hours Required

- 129

Honors in Major

- None

Related Programs

- Art
- Film
- Music
- Theatre Studies
- Theatre - Musical Theatre Track

Certificates

- None

Advising Notes

- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their departmental advisor will be placed on departmental probation. 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 3 hrs 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 3 hrs Analysis class. Script Analysis for Film cannot substitute.
- TPA 2200 and TPA 2200L may be substituted with any introductory Stagecraft course.
- TPP 3310C Directing for Theatre I may be substituted with 3 hrs TPP 2300 or any introductory Theatre Directing Course. Directing for Film cannot substitute.

Plan of Study

Freshman Year - Fall 16 hrs

ML 2200 Survey of Theatre for Majors 3 hrs
TPP 2710C Voice Production I 2 hrs
THE 2305 Script Analysis for Theatre 3 hrs
TPP 3510C Movement for the Actor I 2 hrs
General Education 3 hrs
General Education 3 hrs

Freshman Year - Spring 13 hrs

TPP 3711C Voice Production II 2 hrs
TPP 2110C Acting I - Introduction 3 hrs
TPP 3513C Movement for the Actor II 2 hrs
TPA 2248C Makeup Techniques 2 hrs
Theatre Participation 1 hr
General Education 3 hrs

Sophomore Year - Fall 16 hrs

TPP 3173C Acting II - Building the Character 3 hrs
TPP 4221 Auditioning 3 hrs
THE 3311 Theatre History and Dramatic Literature I 3 hrs
TPP 2170C Acting II - The Actor Prepares 3 hrs
DAA 2200C Ballet 2 hrs
TPP 3712C Voice Production III 2 hrs
General Education 3 hrs

Sophomore Year - Spring 16 hrs

TPP 3173C Acting II - Building the Character 3 hrs
TPP 4221 Auditioning 3 hrs
THE 3312 Theatre History and Dramatic Literature II 3 hrs
TPP 3257C Musical Theatre Voice Techniques 2 hrs
General Education 3 hrs

Select 1

DAA 2570C Jazz Dance I or 2 hrs
DAA 2100C Modern Dance I 2 hrs

Junior Year - Fall 16 hrs

TPP 4140C Acting IV - Creating the Role 3 hrs
TPP 4531C Period Movement 2 hrs
TPP 3256C Musical Theatre Voice Styles 2 hrs
THE 3313 Theatre History and Dramatic Literature III 3 hrs
TPP 3310C Directing for Theatre I 3 hrs
General Education 3 hrs

Junior Year - Spring 16 hrs

TPP 4142C Acting Verse 3 hrs
Theatre Participation 1 hr
TPP 4223C Theatre Careers for Performance 3 hrs
General Education 3 hrs
General Education 3 hrs
General Education 3 hrs

Junior Year - Summer 6 hrs

TPP 4940L Theatre Internship 6 hrs

Senior Year - Fall 15 hrs

TPP 4265C Camera Acting 3 hrs
TPP 4730C Dialects 2 hrs
Theatre Elective 3 hrs
Theatre Elective 3 hrs
Theatre Participation 1 hr
General Education 3 hrs
THE 4954 Theatre Exit Critique 0 hrs

Senior Year - Spring 15 hrs

TPP 4512C Stage Combat 2 hrs
Theatre Elective 3 hrs
Theatre Elective 3 hrs
Theatre Participation 1 hr
General Education 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.oes.ucf.edu/alc/academic_learning_comacts.htm
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. 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.

- 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) 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) 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)

1 Required THE 2020 Survey of Theatre for Majors 3 hrs

Required ARH 2051 History of Western Art II 3 hrs

1 This course is only taught during Fall semesters.

C: Mathematical Foundations (6 hrs)

Math:

1 TPP 3310C Directing for Theatre I 3 hrs

Suggested MGF 1107 Explorations in Mathematics 3 hrs or

Suggested MGF 1106 Finite Mathematics or

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)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

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

1 THE 2020 Survey of Theatre for Majors GEP

1 THE 2305 Script Analysis for Theatre 3 hrs

THE 2025L Theatre Participation - Management I 1 hr

TPA 2200L Theatre Participation-Production I 1 hr

1 TTP 2110C Acting I - Introduction 3 hrs

1 TPA 2210 Stagecraft I 3 hrs

Theatre Electives (THE, TPP, TPA prefix) 9 hrs

1 See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (20 hrs)

ARH 2051 History of Western Art II GEP

TPA 2211L Stagecraft II Lab 1 hr

TPA 2211 Stagecraft II 3 hrs

TPA 2211L Stagecraft II Lab 1 hr

TPA 2220C Stage Electronics 3 hrs

TPA 2071C Theatre Rendering 3 hrs

TPA 2230C Costume Construction 3 hrs

TPA 2000C Theatre Design Basics 3 hrs

TPA 2600 Stage Management: Introduction 3 hrs

4. Core Requirements: Advanced Level (53 hrs)

THE 3311 Theatre History and Dramatic Literature I 3 hrs

THE 3312 Theatre History and Dramatic Literature II 3 hrs

THE 3313 Theatre History and Dramatic Literature III 3 hrs

1 TTP 3310C Directing for Theatre I 3 hrs

TPA 4298L Theatre Participation-Production II 1 hr

TPA 3077C Scene Painting 3 hrs

THE 4284 Period Costume, Architecture, and Decor I 3 hrs

THE 4285 Period Costume, Architecture, and Decor II 3 hrs

TPA 3195L Summer Theatre Studio/Design I 3 hrs
TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs
TPA 4250C CADD for Theatre 2 hrs
TPA 4251C Advanced CADD for Theatre 2 hrs
TPA 4401C Theatre Careers in Production 3 hrs
TPA 4086C Advanced Scenography 3 hrs
THE 4954 Theatre Exit Critique 0 hrs
TPP 4940L Theatre Internship 6 hrs

Select 3: 9 hrs
TPA 3060C Scenic Design for Theatre I or 3 hrs
TPA 3045C Costume Design for Theatre I or 3 hrs
TPA 3223C Lighting Design for Theatre I or 3 hrs
TPA 3265C Sound Design for Theatre I 3 hrs

1 See Transfer Notes for possible substitutes.

5. Restricted Electives

- Film - Cinema Studies
- Music
- Art - Studio
- Dance
- Art - Studio
- Performing Arts Administration

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 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Minimum of 60 theatre credits must be completed in residency at UCF.
- Computer Competency met by TPA 4250C, or a computer science 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

- 129

Honors in Major

- Honors in the Major is encouraged and supported but not required.

Related Programs

- Theatre
- Event Management
- Performing Arts Administration
- Dance
- Film - Cinema Studies

Certificates

- Related Minors

- none

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, however 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. Stage Management 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 2300 or any introductory Theatre Directing Course.
- TPP 2110C Acting I- Introduction may be substituted with any introductory acting for theatre course.

Plan of Study

Freshman Year - Fall 16 hrs

THE 2020 Survey of Theatre for Majors 3 hrs
TPA 2210 Stagecraft I 3 hrs
TPA 2210L Stagecraft I Lab 1 hr
TPA 2000C Theatre Design Basics 3 hrs
TPA 2220C Stage Electronics 3 hrs
TPA 2250C CADD for Theatre 3 hrs
TPP 2300 Theatre Internship 6 hrs
THE 2020 Survey of Theatre for Majors 3 hrs
TPA 2210 Stagecraft I 3 hrs
TPA 2210L Stagecraft I Lab 1 hr
TPA 2230C Costume Construction 3 hrs
THE 2305 Script Analysis for Theatre 3 hrs

Freshman Year - Spring 15 hrs

TPA 4250C CADD for Theatre 2 hrs
TPA 2071C Theatre Rendering 3 hrs
TPA 2211 Stagecraft II 3 hrs
TPA 2211L Stagecraft II Lab 1 hr
TPA 2230C Costume Construction 3 hrs
THE 2305 Script Analysis for Theatre 3 hrs

Freshman Year - Summer 6 hrs

TPA 3195L Summer Theatre Studio/Tech/Design I 3 hrs
TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs

Sophomore Year - Fall 15 hrs

THE 3311 Theatre History and Dramatic Literature I 3 hrs
TPA 4251C Advanced CADD for Theatre 2 hrs
TPA 2290L Theatre Participation-Production I 1 hr
TPA 3077C Scene Painting 3 hrs
TPA 2600 Stage Management: Introduction 3 hrs
THEatre Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

339 Undergraduate Catalog 2016-2017
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 varied 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.

**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 Musical Theatre track 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](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](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 Musical Theatre 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 toward electives.
- Internships are subject to departmental approval and may not be fulfiled 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.

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**Senior Year - Spring**

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<td>THE 2925L</td>
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**Junior Year - Spring**

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<td>TPA 3265C</td>
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**Senior Year - Fall**

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<td>Period Costume, Architecture, and Decor I</td>
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<td>TTP 3310C</td>
<td>Directing for Theatre I</td>
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<td>THE 4954</td>
<td>Theatre Exit Critique</td>
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<tr>
<td>General Education</td>
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**Senior Year - Spring**

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<tr>
<td>TPA 3060C</td>
<td>Scenic Design for Theatre I or</td>
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<tr>
<td>TPA 3045C</td>
<td>Costume Design for Theatre I</td>
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**Junior Year - Summer**

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<td>TTP 4940L</td>
<td>Theatre Internship</td>
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<td>Advanced Scenography or</td>
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<tr>
<td>General Education</td>
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**Select 1**

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<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>TPA 3265C</td>
<td>Sound Design for Theatre I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3223C</td>
<td>Lighting Design for Theatre I</td>
<td>3 hrs</td>
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</tbody>
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**Theatre - Musical Theatre Track (B.F.A.)**

**College of Arts and Humanities**

**Department of Theatre,**

**Performing Arts Center, Room: 210A**


Earl Weaver, earl.weaver@ucf.edu

Phone: 407-823-5158

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.
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
Select one course from B.2 list

C: Mathematical Foundations (6 hrs)

Math:

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 a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- THE 2020 Survey of Theatre for Majors GEP
- THE 2305 Script Analysis for Theatre 3 hrs
- THE 2925L Theatre Participation - Management I 1 hr
- TPA 2290L Theatre Participation-Production 1 hr
- TPA 2300L Intro to Technical Theatre Lab 1 hr
- TPP 2110C Acting I - Introduction 3 hrs
- Theatre Electives (THE, TPA, TPP prefix) 9 hrs

*See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (25 hrs)

MUT 1121 Music Theory and Musicanship I 4 hrs
MUT 1122 Music Theory and Musicanship II 4 hrs
MKV 1111 Class Piano I 1 hr
MKV 1112 Class Piano II 1 hr
DAA 2200C Ballet I 2 hrs
DAA 2201C Ballet II 2 hrs
DAA 2570C Jazz Dance I 2 hrs
DAA 2571C Jazz Dance II 2 hrs
DAA 2520C Tap Dance I 2 hrs
TPP 2248C Makeup Techniques 2 hrs
TPP 2170C Acting II -The Actor Prepares 3 hrs

4. Core Requirements: Advanced Level (48 hrs)

TPP 3173C Acting III - Building the Character 3 hrs
TPP 4140C Acting IV - Creating the Role 3 hrs
TPP 3251C Musical Theatre Monologue 2 hrs
TPP 3252C Musical Theatre Scene Study 2 hrs
THE 3240 Musical Theatre Survey 3 hrs
THE 3311 Theatre History and Dramatic Literature I 3 hrs
THE 3312 Theatre History and Dramatic Literature II 3 hrs
TPP 2742C Estill for Musical Theatre - Craft 2 hrs
TPP 3272C Estill for Musical Theatre - Artistry 2 hrs
TPP 3743C Musical Theatre Applied/Studio Voice I 2 hrs
TPP 3744C Musical Theatre Applied/Studio Voice II 2 hrs
TPP 4269C MT Applied/Studio Voice III 2 hrs
TPP 4276C MT Applied/Studio Voice IV 2 hrs
TPP 4271C MT Applied/Studio Voice V 2 hrs
TPP 4923C MT Applied/Studio Voice VI 2 hrs
TPP 4940L Theatre Internship 6 hrs
TPP 4225C Theatre Careers for Performance 3 hrs
TPP 3310C Directing for Theatre I 3 hrs
TPP 4193L Theatre Participation-Performance I 1 hr
THE 4954 Theatre Exit Critique 0 hrs

5. Restricted Electives

- Any THE, 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.
- Computer Competency met by STA 1063C or a computer science 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
- 129

Honors In Major
- None

Related Programs
- Film
- Music
- Theatre Studies

Certificates
- None

Related Minors
- Music
- Film - Cinema Studies
- 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 audit 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.
**UCF Degree Programs**

- 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

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- Students with a transfer substitution choose to take THE 2020 May use any introductory course. Some students 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.

#### Senior Year - Fall

<table>
<thead>
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<tr>
<td>DAA 2520C Tap Dance I</td>
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<td>General Education</td>
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<td>THE 4954 Theatre Exit Critique</td>
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<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4140C Acting IV - Creating the Role</td>
<td>3 hrs</td>
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<tr>
<td>TPP 4271C MT Applied/Studio Voice V</td>
<td>2 hrs</td>
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<tr>
<td>THE 2925L Theatre Participation - Management I</td>
<td>1 hr</td>
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<tr>
<td>Theatre Elective</td>
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#### Senior Year - Spring

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<thead>
<tr>
<th>Course</th>
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<tr>
<td>TPP 3310C Directing for Theatre I</td>
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<tr>
<td>General Education</td>
<td>3 hrs</td>
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<tr>
<td>Theatre Elective</td>
<td>3 hrs</td>
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<tr>
<td>TPP 4923C MT Applied/Studio Voice VI</td>
<td>2 hrs</td>
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<tr>
<td>TPP 4193L Theatre Participation-Performance II</td>
<td>1 hr</td>
</tr>
<tr>
<td>Theatre 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.oelas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oelas.ucf.edu/aic/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

#### 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.lynch@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. 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.

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- Theatre (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 must 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)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   1 THE 2020 Survey of Theatre for Majors GEP
   1 THE 2305 Script Analysis for Theatre 3 hrs
   THE 2925L Theatre Participation - Management I 1 hr
   TPA 2290L Theatre Participation-Production I 1 hr
   1 TTP 2110C Acting I - Introduction 3 hrs
   1 TPA 2210 Stagecraft I 3 hrs
   Theatre Electives (THE, TPP, TPA prefix) 9 hrs

   1 See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (14 hrs)
   TPA 2210L Stagecraft I Lab 1 hr
   TPA 2000C Theatre Design Basics 3 hrs
   TPA 2600 Stage Management: Introduction 3 hrs
   TPA 2220C Stage Electronics 3 hrs
   TPA 2211 Stagecraft II 3 hrs
   TPA 2211L Stagecraft II Lab 1 hr

4. Core Requirements: Advanced Level (59 hrs)
   THE 3311 Theatre History and Dramatic Literature I 3 hrs
   THE 3312 Theatre History and Dramatic Literature II 3 hrs
   THE 3313 Theatre History and Dramatic Literature III 3 hrs
   1 TPP 3310C Directing for Theatre I 3 hrs
   TPA 4250C CADD for Theatre 2 hrs
   TPP 3103 Intermediate Acting 3 hrs
   TPA 4298L Theatre Participation-Production II 1 hr
   TPA 4298L Theatre Participation-Production II 1 hr
   TPA 3601 Stage Management: Techniques 3 hrs
   TPA 4602 Stage Management: Applications 3 hrs
   TPA 4604 Stage Management: Professional Practice 3 hrs
   TPA 4400 Theatre Management 3 hrs
   TPA 3195L Summer Theatre Studio/Tech/Design I 3 hrs
   TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs
   THE 4284 Period Costume, Architecture, and Decor I 3 hrs
   THE 4285 Period Costume, Architecture, and Decor II 3 hrs
   TPA 4401C Theatre Careers in Production 3 hrs
   THE 4954 Theatre Exit Critique 0 hrs
   TPF 4940L Theatre Internship 6 hrs

Select 1:
TPA 3060C Scenic Design for Theatre I or 3 hrs
TPA 3045C Costume Design for Theatre I 3 hrs

Select 1:
TPA 3223C Lighting Design for Theatre I or 3 hrs
TPA 3265C Sound Design for Theatre I 3 hrs

1 See Transfer Notes for possible substitutes.

5. Restricted Electives
   None

6. Capstone Requirements
   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.

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.

UNIVERSITY OF CENTRAL FLORIDA
### UCF Degree Programs

- Minimum of 60 theatre credits must be completed in residency at UCF.
- Computer Competency met by TPA 4250C, or a computer science 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
- 129

### Honors In Major
- Honors in the Major is encouraged and supported but not required.

### 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 departmental 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, however 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. Stage Management students are encouraged to take this course at UCF.

- TPA 2210L: May be substituted with any introductory Stagecraft course. TPA 2200L will still need to be taken at UCF.

- TPP 3310C: Directing for Theatre I may be substituted with TPP 2300 or any introductory Theatre Directing Course.

- All students are encouraged to take THE 2020 at UCF as upper division credits. University minimum upper division credit requirements must still be met.

### Plan of Study

#### Freshman Year - Fall
- THE 2020: Survey of Theatre for Majors 3 hrs
- TPA 2210: Stagecraft I 3 hrs
- TPA 2210L: Stagecraft I Lab 1 hr
- TPP 2110C: Acting I - Introduction 3 hrs
- TPA 2220C: Stage Electronics 3 hrs
- TPA 2600: Stage Management: Introduction 3 hrs

#### Freshman Year - Spring
- TPA 4250C: CADD for Theatre 2 hrs
- TPA 2211: Stagecraft II 3 hrs
- TPA 2211L: Stagecraft II Lab 1 hr
- THE 2305: Script Analysis for Theatre 3 hrs
- TPA 3601: Stage Management: Techniques 3 hrs
- General Education 3 hrs

#### Freshman Year - Summer
- TPA 3195L: Summer Theatre Studio/Tech/Design I 3 hrs
- TPA 3197L: Summer Theatre Studio/Tech/Design II 3 hrs

#### Sophomore Year - Fall
- TPA 2000C: Theatre Design Basics 3 hrs
- THE 3311: Theatre History and Dramatic Literature I 3 hrs
- TPA 2290L: Theatre Participation-Production I 1 hr
- TPP 3103: Intermediate Acting 3 hrs
- General Education 3 hrs
- General Education 3 hrs

#### Sophomore Year - Spring
- THE 3312: Theatre History and Dramatic Literature II 3 hrs
- TPA 4602: Stage Management: Applications 3 hrs
- THE 2925L: Theatre Participation - Management I 1 hr
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs

#### Junior Year - Fall
- THE 3313: Theatre History and Dramatic Literature III 3 hrs
- TPA 4298L: Theatre Participation-Production II 1 hr
- TPA 4604: Stage Management: Professional Practice 3 hrs
- General Education 3 hrs
- General Education 3 hrs

#### Select 1
- TPA 3060C: Scenic Design for Theatre I or 3 hrs
- TPA 3045C: Costume Design for Theatre I 3 hrs

#### Junior Year - Spring
- Portfolio Review
- TPA 4401C: Theatre Careers in Production 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- TPA 4298L: Theatre Participation-Production II 1 hr

#### Select 1
- TPA 3225C: Lighting Design for Theatre I or 3 hrs
- TPA 3265C: Sound Design for Theatre I 3 hrs

#### Junior Year - Summer
- TTP 4940L: Theatre Internship 6 hrs

#### Senior Year - Fall
- TPA 4400: Theatre Management 3 hrs
- THE 4284: Period Costume, Architecture, and Decor I 3 hrs
- TTP 3310C: Directing for Theatre I 3 hrs
- TPA 4298L: Theatre Participation-Production II 1 hr
- Theatre Elective 3 hrs
- THE 4954: Theatre Exit Critique 0 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

344 Undergraduate Catalog 2016-2017
## UCF Degree Programs

### Theatre Studies (B.A.)

**College of Arts and Humanities**  
**Department of Theatre,**  
**Performing Arts Center, Room: T210A**  
**Email:** theatre@cah.ucf.edu  
**Phone:** 407-823-2862

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://theatre.ucf.edu](http://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 departmental advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

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

### Program Academic Learning Compacts

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<td><strong>1. UCF General Education Program (GEP)</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>A: Communication Foundations</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>B: Cultural &amp; Historical Foundations</strong></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>9 hrs</td>
</tr>
<tr>
<td><strong>Required</strong></td>
<td>THE 2020 Survey of Theatre for Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Select one course from B.1 list</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>Select one course from B.2 list</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>C: Mathematical Foundations</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 hrs</td>
</tr>
<tr>
<td><strong>Math:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested</td>
<td>MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested</td>
<td>MGF 1107 Explorations in Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>You may substitute a higher level math with appropriate scores on the Math Placement Test.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Statistics - Computers
- Select a course from GEP C.2 list 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.
- THE 2020 Survey of Theatre for Majors GEP
- THE 2305 Script Analysis for Theatre 3 hrs
- THE 2925L Theatre Participation - Management I 1 hr
- TPA 2290L Theatre Participation-Production I 1 hr
- TPA 2200 Introduction to Technical Theatre 2 hrs
- TPA 2200L Intro to Technical Theatre Lab 1 hr
- TPA 2110C Acting I - Introduction 3 hrs
- Theatre Elective (THE, TPA, TPP Prefix) 9 hrs

### 3. Core Requirements: Basic Level
- None

### 4. Core Requirements: Advanced Level
- | | 13 hrs |
| **THE 3311** Theatre History and Dramatic Literature I | | 3 hrs |
| **THE 3312** Theatre History and Dramatic Literature II | | 3 hrs |
| **THE 3313** Theatre History and Dramatic Literature III | | 3 hrs |
| **TPP 3310C** Directing for Theatre I | | 3 hrs |
| **THE 4954** Theatre Exit Critique | | 0 hrs |
### UCF Degree Programs

#### Select 1: 1 hr
- TPA 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

<table>
<thead>
<tr>
<th>Admissions</th>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met by graduation requirement</td>
<td>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.</td>
</tr>
</tbody>
</table>

#### 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 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
- 120

#### Honors In Major
- None

#### Related Programs
- Art
- Film
- Music
- Theatre

---

**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.
- TTP 3310C Directing for Theatre I may be substituted with TTP 3300 or any introductory Theatre Directing course.
- Directing for Film cannot substitute.
- TTP 2110C Acting I - Introduction may be substituted with any introductory acting for theatre course.

#### Plan of Study

**Freshman Year - Fall** 15 hrs
- THE 2020 Survey of Theatre for Majors 3 hrs
- TPA 2200 Introduction to Technical Theatre 3 hrs
- TTP 2110C Acting I - Introduction 3 hrs
- General Education 3 hrs
- ENC 1101 Composition I 3 hrs
- General Education 3 hrs

**Freshman Year - Spring** 15 hrs
- THE 2305 Script Analysis for Theatre 3 hrs
- TPA 2200 Introduction to Technical Theatre 3 hrs
- TTP 2200L Intro to Technical Theatre Lab 1 hr
- General Education 3 hrs
- Theatre Elective 3 hrs
- General Elective 3 hrs

**Sophomore Year - Fall** 16 hrs
- General Education 3 hrs
- Theatre Elective 3 hrs
- THE 2925L Theatre Participation - Management I 1 hr
- General Education 3 hrs
- Theatre Elective 3 hrs
- General Education 3 hrs

**Sophomore Year - Spring** 15 hrs
- 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

**Junior Year - Fall** 13 hrs
- TPA 2290L 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
## World Languages Education-Spanish (B.S.)

**College of Education and Human Performance**
**School of Teaching, Learning, and Leadership**
**Education Building, Room: 209**

[http://www.education.ucf.edu/language](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 World Languages Education - Spanish B.S. 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 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.
- 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.

### 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:** $45 per term
- **Full-Time Student:** $90 per term

### Education Program Options

#### World Languages Education-Spanish (B.S.)
- **Senior Year - Fall**
  - 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
- General Elective: 3 hrs
- Theatre Elective: 3 hrs
- General Elective: 3 hrs
- Theatre Elective: 3 hrs
- Theatre Elective: 3 hrs

### Degree Requirements

- **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 the preferred courses.

#### A: Communication Foundations
- **(9 hrs)**
  - Required: ENC 1101 Composition I: 3 hrs
  - Required: ENC 1102 Composition II: 3 hrs
  - Required: SPN 3420 Spanish Composition: 3 hrs

#### B: Cultural & Historical Foundations
- **(9 hrs)**
  - General Education Program course from Section B1 to meet Gordon Rule Requirement

#### Select 1:
- Prefer: MUL 1010 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)**
  - Prefer: MGF 1106 Finite Mathematics: 3 hrs

#### Select 1:
- Prefer: STA 1063C Basic Statistics Using Microsoft Excel or 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 2011 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)
- **(21 hrs)**
  - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### EDF 2005 Introduction to the Teaching Profession: 3 hrs
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

### 3. Core Requirements: Basic Level
- **(3 hrs)**
  - **Education Track requires 3 semester hours**
  - **Lifelong Learning Track requires 6 semester hours**
  - **Students should consult advisor regarding course options.**

#### Education Track
- **(3 hrs)**
  - **EDF 2130 Child and Adolescent Development for Educators:** 3 hrs
  - **SPN 2201 Intermediate Spanish Language and Civilization II:** CPP
  - **SPN 3300 Advanced Spanish Grammar and Composition:** CPP
  - **SPN 3420 Spanish Composition:** CPP
  - **SPW 3100 Survey of Spanish Literature I:** CPP
  - **Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.**
UCF Degree Programs

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

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  EDG 4410  Teaching Strategies and Classroom Management 3 hrs
1  EDF 4467  Learning Theory and Assessment 3 hrs
1  TSL 4080  Theory and Practice of Teaching ESOL 3 hrs
RED 4043  Students in Schools 3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12 3 hrs
2  EEX 4242  Teaching Exceptional Students in Secondary Settings 3 hrs
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 4242, SPN 4800, SPN 4801, SPN 4852, or SPN 4853

Education Track Specialization Requirements 21 hrs
1  FLE 4333  Foreign Language Teaching in the Second School 3 hrs
1  FLE 4314  Foreign Language Teaching in Elementary Schools 3 hrs
SPN 3760  Advanced Spanish Oral Communication 3 hrs
2  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

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:
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, 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.

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)
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 2000  Introduction to Digital Media 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 4 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
### UCF Degree Programs

**UCF Degree Programs**

- **Advising Notes**
- **Related Minors**
- **Certificates**
- **Related Programs**
- **Honors In Major**

**120 Rule, and nine hours of Summer credit.**

CLEP, Credit by Exam, and Armed Forces credits permitted.

30 of the last 39 hours of course work must be completed in residency at UCF.

48 semester hours of upper division credit completed.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Graduation**

- None

**Electives**

- None

**Additional Requirements**

- None

**Required Minors**

- None

**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/](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).

**University Minimum Exit Requirements**

- 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

- Recommended Four Year Sequence of Courses

#### 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
  - GEP B3 Elective (Prefers 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

- 6 hrs
  - SPN 2201 Intermediate Spanish Language and Civilization I 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

- 15 hrs
  - EDF 2025 Introduction to the Teaching Profession 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - SPN 3300 Advanced Spanish Grammar and Composition 3 hrs

#### Select 1:

- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

#### Education Track

- 3 hrs
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs

#### Lifelong Learning Track

- 3 hrs
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs
  - EDP 2270 Adult Development & Learning 3 hrs

#### Sophomore Year - Spring

- 12 hrs
  - EDF 2065 Introduction to Diversity for Educators 3 hrs
  - EME 2040 Introduction to Technology for Educators 3 hrs
  - SPN 3420 Spanish Composition 3 hrs

#### Select 1:

- BSC 1005 Biological Principles or 3 hrs
- ANT 2511 The Human Species 3 hrs

#### Sophomore Year - Summer

- 3 hrs
  - SPW 3100 Survey of Spanish Literature I 3 hrs

#### Junior Year - Fall

- 15 hrs
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs

#### Education Track

- 12 hrs
  - 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

- 12 hrs
  - Choose Lifelong Learning Specialization courses 12 hrs

#### Junior Year - Spring

- 12 hrs
  - 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

- 3 hrs
  - SPN 3345 Advanced Spanish Native Fluency II 3 hrs

#### Lifelong Learning Track

- 3 hrs
  - MHS 2330 Career Planning 3 hrs

---

**Recommended Four Year Sequence of Courses**

**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
  - GEP B3 Elective (Prefers 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**

- 6 hrs
  - SPN 2201 Intermediate Spanish Language and Civilization I 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**

- 15 hrs
  - EDF 2025 Introduction to the Teaching Profession 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - SPN 3300 Advanced Spanish Grammar and Composition 3 hrs

**Select 1:**

- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

**Education Track**

- 3 hrs
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs

**Lifelong Learning Track**

- 3 hrs
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs
  - EDP 2270 Adult Development & Learning 3 hrs

**Sophomore Year - Spring**

- 12 hrs
  - EDF 2065 Introduction to Diversity for Educators 3 hrs
  - EME 2040 Introduction to Technology for Educators 3 hrs
  - SPN 3420 Spanish Composition 3 hrs

**Select 1:**

- BSC 1005 Biological Principles or 3 hrs
- ANT 2511 The Human Species 3 hrs

**Sophomore Year - Summer**

- 3 hrs
  - SPW 3100 Survey of Spanish Literature I 3 hrs

**Junior Year - Fall**

- 15 hrs
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs

**Education Track**

- 12 hrs
  - 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**

- 12 hrs
  - Choose Lifelong Learning Specialization courses 12 hrs

**Junior Year - Spring**

- 12 hrs
  - 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**

- 3 hrs
  - SPN 3345 Advanced Spanish Native Fluency II 3 hrs

**Lifelong Learning Track**

- 3 hrs
  - MHS 2330 Career Planning 3 hrs

---

**UNIVERSITY OF CENTRAL FLORIDA**

349 Undergraduate Catalog 2016-2017
UCF Degree Programs

### Junior Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Education Track
- FLE 4314: Foreign Language Teaching in Elementary Schools and Secondary School 3 hrs
- FLE 4333: Foreign Language Teaching in the Secondary School 3 hrs

#### Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 9 hrs

1. This course may be taken in the Fall of the senior year with consent of instructor.

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Education Track
- FLE 3940: Internship 3 hrs

1. Select 1: 3 hrs
   - SPN 4410: Advanced Spanish Conversation or Culture 3 hrs
   - SPN 4421: Advanced Spanish Composition or Culture 3 hrs
   - SPN 4510: Spanish Civilization and Culture 3 hrs

2. Select 1: 3 hrs
   - SPN 4852: Bilinguismo or Polychrony 3 hrs
   - SPN 4800: The Syntax of Spanish or Culture 3 hrs
   - SPN 4801: Spanish Morphology 3 hrs

#### Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 9 hrs

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 4941</td>
<td>Internship and Critical Issues in Secondary Education</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

#### Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 9 hrs

### 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.
- Departmental Residency Requirement consists of 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 3 hrs
   - ENC 1102 Composition II 3 hrs
   - EDC 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

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 3503 Topics in Writing and 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

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 and 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
   - 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.
   - 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

### Writing and Rhetoric (B.A.)

**College of Arts and Humanities**

**Department of Writing and Rhetoric,**

Colbourn Hall, Room: 301-B


**Email:** writingandrhetoric@ucf.edu

Dr. Stephanie Vie, Director, Stephanie.Vie@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.

**Equipment Fees**
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term
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 3473  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

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

Related Minors
  □ None

Related Programs
  □ None

120 Total Semester Hours Required
  □ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Transfer Notes
  □ Transfer courses in which students earned lower than a “C” (2.0) will not be accepted.
  □ Lower-level courses taken at community or state colleges do not substitute for upper-level courses.
  □ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
  □ None

Plan of Study

Freshman Year - Fall 15 hrs
ENC 1101  Composition I  3 hrs
AMH 2020  U.S. History: 1877-Present  3 hrs
GEP  3 hrs
GEP  3 hrs
GEP  3 hrs

Freshman Year - Spring 15 hrs
ENC 1102  Composition II  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
GEP  3 hrs
GEP  3 hrs
Elective  3 hrs

Sophomore Year - Fall 16 hrs
PHI 2010  Introduction to Philosophy  3 hrs
GEP  3 hrs
Foreign Language Course  4 hrs
Course in Minor/Certificate/Program of Study  3 hrs
ENC 3331  Rhetoric and Civic Engagement  3 hrs

Sophomore Year - Spring 16 hrs
Core Course  3 hrs
Foreign Language Course  4 hrs
Course in Minor/Certificate/Program of Study  3 hrs
Elective  3 hrs
ENC 3502  Researching Writing and Literacy  3 hrs

UNIVERSITY OF CENTRAL FLORIDA

UCF Degree Programs
### UCF Degree Programs

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<thead>
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<th>Junior Year - Fall</th>
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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
## Minors and Certificates

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

### Minors
- Accounting
- Actuarial Science
- Aerospace Studies
- Africana Studies
- Aging Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Art - Studio
- Art Education
- Art History
- Asian Studies
- Astronomy
- Bioengineering
- Biology
- Biomedical Sciences
- Business
- Chemistry
- Coaching
- Cognitive Sciences
- Communication Sciences and Disorders
- Community Arts - PAVE
- Community Sport and Fitness
- Computer Science
- Crime, Law, and Deviance
- Criminal Justice
- Dance
- Digital Humanities
- Digital Media
- Diplomacy
- Diversity and Social Inequality
- Early Childhood
- Development and Education
- Economics
- Education
- Emergency Management and Homeland Security
- Engineering Leadership
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English Language Arts Education
- Entrepreneurship
- Environmental Studies
- European Studies
- Event Management
- Exceptional Student Education
- Film - Cinema Studies
- Finance
- Fitness Training
- Florida Studies
- French
- Global Peace and Security Studies
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- History
- Hospitality Management
- Human Communication
- Human Services
- Humanities and Cultural Studies
- Information Technology
- Intelligence and National Security
- Intelligent Robotic Systems
- International and Global Studies
- International Business
- International Engineering
- Italian
- Journalism Studies
- Judaic Studies
- Latin American Area Studies
- Leadership Studies
- Legal Studies
- Magazine Journalism
- Marketing
- Mass Communication
- Mass Culture and Collective Behavior
- Materials Science and Engineering
- Mathematical Biology
- Mathematics
- Mathematics Education
- Medical Anthropology
- Medical Sociology
- Medieval and Renaissance Studies
- Middle Eastern Studies
- Military Science
- Music
- Nanoscale Science and Technology
- Nonprofit Management/National Certification in Nonprofit Management
- North American Indian Studies
- Performing Arts Administration
- Philosophy
- Physics
- Political Science
- Political Science/Prelaw
- Pre-Law in the Humanities
- Professional Selling
- Psychology
- Public Administration
- Real Estate
- Religion and Cultural Studies
- Russian Studies
- Science Education
- Secure Computing and Networks
- Social Science Education
- Sociology
- Spanish
- Sport Business Management
- Statistics
- Technical Education and Industry Training
- Technological Entrepreneurship
- Terrorism Studies
- Theatre
- Urban and Regional Planning
- Women's and Gender Studies
- World Comparative Studies
- World Languages Education - English for Speakers of Other Languages
- World Languages Education - Languages Other Than English
- Writing and Rhetoric

### Certificates
- Aging Studies Certificate
- Anthropology of Global Health Certificate
- Behavioral Forensics Certificate
- Children's Services Certificate
- Civics Teaching Certificate
- Crime Analysis and Crime Mapping Certificate
- Crime Scene Investigation Certificate
- Criminal Profiling Certificate
- Cultural Tourism Certificate
- Cyber Operations Certificate
- Diplomacy Certificate
- Engineering Leadership Certificate
- Entrepreneurship Certificate
- Finance: Banking Certificate
- Finance: Corporate Finance Certificate
- Finance: Investments Certificate
- Gender Studies Certificate
- Health Communication Certificate
- Human Biology Certificate
- Intelligence and National Security Certificate
- Judaic Studies Certificate
- Language Development and Disorders Certificate
- Leadership Studies Certificate
- Native American Studies Certificate
- Nonprofit Management Certificate
- Public and Professional Writing Certificate
- Security Management Certificate
- Service-Learning Certificate
- Spanish for Health Professionals Certificate
- Spanish for the Legal World Certificate
- Substitute Teaching Certificate
- Teaching English as a Foreign Language Certificate
- Translation and Interpretation Certificate
- Victim Advocacy Certificate

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.
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 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.

Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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 completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy 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.

Requisite 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 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

Restrict 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)
- 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

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 completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy 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.

Requisite 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 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

Restrict 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.
Africana Studies - Minor

College of Arts and Humanities

Program in Africana Studies, Colbourn Hall, Room: 110

http://africana.cah.ucf.edu/

Anthony Major, Director, anthony.major@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 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, 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 3813 Narratives of Slavery or 3 hrs
- ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas or 3 hrs
- FIL 3831 Black Cinema or 3 hrs
- INR 3250 Politics of Pan-Africanism or 3 hrs
- LAS 4023 African Caribbean Experience or 3 hrs
- LIT 3192 Caribbean Literature or 3 hrs
- POT 4345 Pan-Africanist Thought or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SYD 3700 Race and Ethnicity or 3 hrs
- WST 3460 Women, Race and Struggle 3 hrs

Caribbean/Central, South America
- AFA 3371 Evolution of Hip Hop or 3 hrs
- AFA 3955 Study Abroad in Eastern Caribbean or 6 hrs
- AML 3615 Harlem, Haiti, and Havana or 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
- AML 3613 Narratives of Slavery or 3 hrs
- AML 3614 Topics in African-American Literature or 3 hrs
- AML 3615 Harlem, Haiti, and Havana or 3 hrs
- ANT 3398 Black/Seminoe Relations or 3 hrs
- FIL 3831 Black Cinema or 3 hrs
- MUL 2016 Evolution of Jazz or 3 hrs
- PHP 3781 African-American Philosophy or 3 hrs
- POS 4622 Politics and Civil Rights or 3 hrs
- PUP 3314 Minorities in American Politics 3 hrs

Additional courses may be used only with the prior permission of the program Director

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 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.

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. 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.

Minor Admission Requirements
- None

Minor 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
- HSA 4941 Internship 3 hrs
- PSY 3951 Undergraduate Field Work 3 hrs
- SYP 4941 Internship 3 hrs
- SOW 4510 Field Education 9 hrs
- SOW 4941 Internship 9 hrs

- For full-time social work majors. Cannot be used with SOW 4941.
- For part-time social work majors. Cannot be used with SOW 4510.

Restricted Electives (12 hrs)
- Students select FOUR 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 TWO courses must be taken from other colleges.

College of Health and Public Affairs
- 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
- SOW 3740 Social Work Practice with Loss & Life's Transitions 3 hrs

Other Colleges
- DEP 3465 Psychology of Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- SOW 5007 Women and Healthy Aging 3 hrs
- SYP 4732 Minority Aging 3 hrs

- Open to undergraduates with senior standing

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/
Dr. Nancy Stanlick, Nancy.Stanlick@ucf.edu, 407-823-2161

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- Select 5 (one from each category)

Literature
- AML 3031 American Literature I or 3 hrs
- AML 3682 Ethnic Literature in America or 3 hrs
- AML 4101 American Novel or 3 hrs
- AML 4261 Literature of the South or 3 hrs
- AML 4300 Major American Authors or 3 hrs
- AML 4321 Modern American Literature or 3 hrs
- AML 4630 Latino/Latina Literature 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 American Politics or 3 hrs
- POS 3413 The American Presidency or 3 hrs
- POT 3204 American Political Thought or 3 hrs
- PUP 3314 Minorities in American Politics or 3 hrs
- SYD 3700 Race and Ethnicity or 3 hrs
- SYP 3630 Popular Culture in Society 3 hrs

History
- AMH 3430 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 3 hrs

Philosophy and Religion
- ANT 3245 Native American Religions 3 hrs
- PHH 3696 American Philosophy 3 hrs
- PHH 3701 Native American Philosophy 3 hrs
- PHP 3781 African-American Philosophy 3 hrs
- REL 3123 Asian Religions in America 3 hrs
- REL 3130 Religion in America 3 hrs

Art, Humanities, and Culture
- AFA 3102 Introduction to African Studies: A Multidisciplinary Approach 3 hrs
- AFA 3371 Evolution of Hip Hop 3 hrs
- AMH 3580 North American Indians 3 hrs
- AMH 3586 History of Latinos in the U.S. 3 hrs
- AMH 3610 Sport in America to 1945 3 hrs
- AMH 3611 Sport in America Since 1945 3 hrs
- AMH 4311 American Culture I 3 hrs
- AMH 4313 American Culture II 3 hrs
- AMH 4644 Viewing American History in the Twentieth Century 3 hrs
- ANT 3311 Indians of the Southeastern United States 3 hrs
- ANT 4153 North American Archaeology 3 hrs
- ARH 3610 American Art 3 hrs
- ARH 3631 African-American Art 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- HUM 4459 American Cultural Studies in Humanities 3 hrs
- THE 3171 That's Entertainment!: Theatre Experience in Theme Parks, Vegas, and Broadway 3 hrs

Restricted Electives (3 hrs)
- 3 additional upper level hours. Select courses not already used from lists above or one of the following lower-division courses.

Select 1:
- MUH 2017 Survey of Rock Music or 3 hrs
- MUH 2019 American Popular Music, 1840s-present or 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs

Foreign Language Requirements
- None
Total Semester Hours Required

- 18

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.

Anthropology - Minor

College of Sciences

Department of Anthropology,
Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Email: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

The Anthropology minor develops a student's holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

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.

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses

- (3 hrs)
  ANT 2000 General Anthropology
  ANT 2410 Archaeology and the Rise of Human Culture
  ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts
  ANT 2511 The Human Species
  Select from the following courses; 15 hrs
  ANT 3140 Archaeology and the Rise of Human Culture

Restricted Electives

- (15 hrs)
  A. Concentration in General Anthropology
  - 15 hrs
    ANT 2410 Archaeology and the Rise of Human Culture
  - 3 hrs
  ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts
  ANT 2511 The Human Species
  Select additional upper level (3000-5999) Anthropology courses
  B. Concentration in Archaeology
  - 15 hrs
    ANT 2410 Archaeology and the Rise of Human Culture

Complete at least four of the following courses;

- (12 hrs)
  ANT 3106 Archaeology and Popular Culture or
  ANT 4115C Archaeological Method and Theory or
  ANT 3142 Old World Prehistory or
  ANT 3145 Archaeology of Complex Societies or
  ANT 3148 Life and Death in Ancient Egypt or
  ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest or
  ANT 3158 Florida Archaeology or
  ANT 3160 Americas Before Columbus or
  ANT 3161 Ancient Mexico: Aztec to Zapotec or
  ANT 3163 Mesoamerican Archaeology or
  ANT 3164 Ancient Incas or
  ANT 3165 Archaeology of South America or
  ANT 3168 Maya Archaeology or
  ANT 3173 Archaeology of Sex or
  ANT 3177 Archaeology of Caribbean Piracy or
  ANT 4153 North American Archaeology or

1 or its graduate equivalent.

C. Concentration in Physical Anthropology

- 15 hrs
  ANT 2511 The Human Species
  Select from the following courses;
  - 12 hrs
    ANT 3146 Life and Death in Ancient Egypt or
    ANT 3541 Biobehavioral Anthropology or
    ANT 3550C Primatology or
    ANT 4183 Archaeological Sciences or
    ANT 4184 Mortuary Archaeology or
    ANT 4462 Medical Anthropology or
    ANT 4467 Nutritional Anthropology or
    ANT 4516 Human Biological Diversity or
    ANT 4521 Forensic Anthropology or
    ANT 4525C Human Osteology or
    ANT 4560 Birth to Death: Anthropological Perspectives on Human Growth or
    ANT 4586C Human Origins

1 or its graduate equivalent.

D. Concentration in Cultural Anthropology

- 15 hrs
  ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts
  Select from the following courses;
  - 12 hrs
    ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest or
    ANT 3164 Ancient Incas or
    ANT 3212 Peoples of the World or
    ANT 3241 Magic, Ritual, and Belief or
    ANT 3245 Native American Religions or
    ANT 3262 Rural Society or
    ANT 3273 Law and Culture or
    ANT 3302 Sex, Gender and Culture or
    ANT 3311 Indians of the Southeastern United States or
    ANT 3312 Ethnology of North American Indians or
    ANT 3313 Indians of North America High Plains or
    ANT 3398 Black/Seminole Relations or
    1 ANT 4332 People and Cultures of Latin America or
    1 ANT 4303 Anthropology of Tourism or
    ANT 3701 Engagement & Social Change: Public Anthropology or
    1 ANT 4702 Culture, Inequality and Global Development or
    ANT 4802 Ethnographic Field Methods or
    1 ANT 3610 Language and Culture or
    1 ANT 4340 Caribbean Cultures or
    ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas or
    ANT 4034 History of Anthropological Thought or
    ANT 4266 Economic Anthropology: Production, Consumption, and Exchange or
    ANT 4352 African Societies and Cultures or
    ANT 4408 Culture, Disease, and Healing or
    ANT 5167 Maya Hieroglyphs or
    ANT 5228 Maya Iconography or
    ANT 5622 Language, Culture and Pedagogy

1 or its graduate equivalent.

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.
Anthropology in Multicultural Studies - Minor

College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Email: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

This minor develops a student's understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.

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.

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
- ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts

Restricted Electives (15 hrs)
■ Select from the following. Substitutions require prior consent of the Anthropology Coordinator.
- ANT 3164 Ancient Incas
- ANT 3212 Peoples of the World
- ANT 3241 Magic, Ritual, and Belief
- ANT 3245 Native American Religions
- ANT 3302 Sex, Gender and Culture
- ANT 3312 Ethnology of North American Indians
- ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas
- ANT 3398 Black/Seminoles Relations
- ANT 3541 Biobehavioral Anthropology
- ANT 3610 Language and Culture
- ANT 3701 Engagement & Social Change: Public Anthropology
- ANT 4266 Economic Anthropology: Production, Consumption, and Exchange
- ANT 4303 Anthropology of Tourism
- ANT 4332 People and Cultures of Latin America
- ANT 4340 Caribbean Cultures
- ANT 4408 Culture, Disease, and Healing
- ANT 4467 Nutritional Anthropology
- ANT 4516 Human Biological Diversity
- ANT 4702 Culture, Inequality and Global Development
- SYD 3700 Race and Ethnicity

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

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
- ARH 2051 History of Western Art II
- ART 2201C Design Fundamentals-Two Dimensional
- ART 2203C Design Fundamentals-Three Dimensional
- ART 2300C Drawing Fundamentals I
- ART 2301C Drawing Fundamentals II
- ART 3950 Portfolio Review

Restricted Electives (6 hrs)
■ Six semester hours of studio art in one area of specialization at the 3000-4000 level

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 24

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
■ Grades below "C" (2.0) in lower level courses are not accepted.
■ At least 15 hours used in the minor must be earned at UCF within the 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.
■ 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.

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.
Minors

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
- Credit Hour Requirement: 18 hrs
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - ARE 4351 Teaching Art in the Elementary School 3 hrs
  - ARE 4352 Teaching Art in the Secondary School 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

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
- Credit Hour Requirement: (15 hrs)
  - Select 1: 12 hrs
    - ARH 2051 History of Western Art I or 3 hrs
    - ARH 2052 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
  - Select 2: 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

Non-Western/Ancient Course Requirement
- Credit Requirement: 3 hrs
  - Select 1: 3 hrs
    - ARH 4132 History of Mesoamerican Art or 3 hrs
    - ARH 4871 Women in Art 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

Asian Studies - Minor

Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://www.mll.cah.ucf.edu/
Dr. Humberto Lopez, hlopez@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
- Credit Requirement: (3 hrs)
  - HUM 3401 Asian Humanities 3 hrs

Restricted Electives
- Credit Requirement: (15 hrs)
  - 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.
  - ANT 3362 Peoples of Southeast Asia 3 hrs
  - ARH 4540 Art of India or 3 hrs
  - ART 3824 Japanese Manga & Anime 3 hrs
  - ASH 4304 Women in China 3 hrs
  - ASH 4324 History & Culture of South Asia 3 hrs
  - ASH 4333 Imperialism & Decolonization in South Asia 3 hrs
  - ASH 4402 History of Chinese Civilization 3 hrs
  - ASH 4440 Modern China 3 hrs
  - ASH 4442 Modern Japan 3 hrs
  - CPO 4514 Politics of East Asia 3 hrs
  - CPO 4541 Chinese Politics 3 hrs
  - CPO 4553 Politics of Japan 3 hrs
  - INR 4224 Contemporary International Politics of Asia 3 hrs
  - INR 4225 The Vietnam War 3 hrs
  - REL 3340 Buddhism 3 hrs
  - REL 3333 Hinduism 3 hrs
  - REL 3123 Asian Religions in America 3 hrs
  - LIT 3833 Modern Asian Literature 3 hrs
  - LIT 3834 Chinese Poetry in Translation 3 hrs
  - LIT 3835 Translated Modern Chinese Novels 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Minors

Foreign Language Requirements
■ One year or the equivalent proficiency examination (0 - 8 hrs) in Chinese or Japanese 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
■ Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
■ At least 12 hours must be earned in upper 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 in the minor without prior approval by the director.
■ Requirement for the minor is 18-20 credits.

Astronomy - Minor
College of Sciences
Department of Physics, Physical Sciences, Room: 430
Email: 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.
■ 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 (19 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</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

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.

Bioengineering - Minor
College of Engineering and Computer Science
Engineering, Room: 107
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.

Minor Admission Requirements
■ Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school unweighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (35 hrs)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046C</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Restricted Electives (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMA 5584</td>
<td>Biomatereals or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BME 5267</td>
<td>Biofluid Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 5272</td>
<td>Biomedical Sensors or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EES 4111C</td>
<td>Biological Process Control or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EIN 5248C</td>
<td>Ergonomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAP 5512</td>
<td>Evolutionary Computation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 5418</td>
<td>Tissue Engineering or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>PCB 3522</td>
<td>Molecular Biology I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy or</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>
ZOO 3744  Neurobiology or 3 hrs  
PCB 3063  Genetics  3 hrs  

Computer Science Track  6 hrs  
Select 1:  3 hrs  
CAP 5512  Evolutionary Computation or  3 hrs  
COT 6417  Algorithms on Strings and Sequences  3 hrs  
Select 1:  3 hrs  
BCH 4053  Biochemistry I or  3 hrs  
BSC 3403C  Quantitative Biological Methods or  4 hrs  
BSC 5418  Tissue Engineering or  3 hrs  
PCB 3020C  General Microbiology or  5 hrs  
PCB 3522  Molecular Biology I or  3 hrs  
PCB 3703C  Human Physiology or  4 hrs  
ZOO 3733C  Human Anatomy or  4 hrs  
ZOO 3744  Neurobiology or  3 hrs  
PCB 3063  Genetics  3 hrs  

Foreign Language Requirements  
■ None  

Total Semester Hours Required  
■ 41  

Other Requirements  
■ Open only to engineering and computer science majors.  
■ A grade of “B” (3.0) or better is required in each course used to satisfy the minor.  
■ The Bachelors of Science must be completed in order for the minor to be awarded.  

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 (6 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  
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335  
http://www.biomed.ucf.edu  
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  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 BA2, 101, 407-823-2184  

Not available to Business majors.  

Minor Admission Requirements  
■ None  

Minor Requirements  
■ None  

Prerequisite Courses  
■ Students must satisfy each course’s 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  
MIS 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
Minors

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) or “S” grades from other institutions are not accepted.
- 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.

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses

- CHM 2045C Chemistry Fundamentals I (20 hrs) 4 hrs
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr

Restricted Electives

- 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 3215L Organic Laboratory Techniques II 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 5451C Techniques in Polymer Science 3 hrs

Group II: 3 hrs

- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- CHS 4815 Environmental Chemistry 3 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3422 Applied Physical Chemistry 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.

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

- BSC 2010G Biology I (or equivalent) 4 hrs

Required Courses

- 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: 3 hrs

- PEO 3624 Coaching Basketball or 3 hrs
- PEO 3644 Coaching Football or 3 hrs
- PEO 3324 Coaching Volleyball or 3 hrs
- PEO 3514C Coaching Soccer 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 28
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 toward 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.

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
- PSB 3002 Physiological Psychology or 3 hrs
- PSB 4240C Neuropsychology or 4 hrs
- ZOO 3744 Neurobiology 3 hrs

Philosophy
- 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 4782 Phenomenology 3 hrs

Psychology
- EXP 3204 Perception or 4 hrs
- EXP 3604 Cognitive Psychology or 4 hrs
- EXP 4507 Advanced Human Memory and Cognition 3 hrs

Computer Science and Information Technology
- CAP 4453 Robot Vision or 3 hrs
- CAP 4630 Artificial Intelligence or 3 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 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 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 4321 Philosophies 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 5 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: csundergraduate@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
- 1 LIN 3713 Language Science 3 hrs
- 1 This is the prereq for LIN 3716 and LIN 3716L
Minors

Required Courses (24 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 3471</td>
<td>Communication Disorders in Literature and Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3112</td>
<td>Basic Phonetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3112L</td>
<td>Basic Phonetics Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>¹ LIN 3716</td>
<td>Language Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>¹ LIN 3716L</td>
<td>Language Development Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>SPA 3101</td>
<td>Physiological Bases of Speech and Hearing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4032</td>
<td>Audiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4400</td>
<td>Language Disorders Across the Life Span</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4476</td>
<td>Speech Disorders Across the Lifespan</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3820</td>
<td>Teaching Sports Skills I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LEI 4266</td>
<td>Outdoor and Leisure Activities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3415</td>
<td>Public Relations in Sport and Exercise</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3130</td>
<td>Aquatic Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3504</td>
<td>Fiscal and Facilities: Issues in Sport and Exercise</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3204</td>
<td>Sports and Ethics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 towards 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: 407-823-2676

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) 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 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223C</td>
<td>Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CDA 3103C</td>
<td>Computer Logic and Organization</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Minors

Select 1: 3 hrs
- COT 3100C Introduction to Discrete Structures or 3 hrs
- 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.

Crime, Law, and Deviance - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu

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

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.

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 an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
■ Grades less than "C-" (1.75) are not accepted.

Prerequisite Courses
■ None

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
- CJL 3510 Prosecution and Adjudication
- CJC 3010 Corrections and Penology
- CJE 4014 Police and Society
and
Six semester hours of Criminal Justice courses (selected with aid of an advisor) 6 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

Dance - Minor
College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/

Minor Admission Requirements
■ A successful audition - contact department for audition dates.

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (11 hrs)
- DAN 3134 Dance History I 3 hrs
- DAA 3612 Dance Improvisation/Composition I 3 hrs
- DAA 2100C Modern Dance I 2 hrs
- DAA 3684 Dance Performance 1 hr
1 DAA 2200C Ballet I 2 hrs

1 Can substitute DAA 2201C or DAA 3208C with consent of program coordinator
## Minors

### Restricted Electives  (7 hrs)
- DAA 2570C  Jazz Dance I  2 hrs
- DAA 2571C  Jazz Dance II  2 hrs
- DAA 2520C  Tap Dance I  2 hrs
- DAA 2521C  Tap Dance II  2 hrs
- DAA 3524C  Tap Dance III  2 hrs
- DAA 2201C  Ballet II  2 hrs
- DAA 3208C  Ballet III  2 hrs
- DAA 2383C  World Dance  2 hrs
- DAA 3645  Choreography Practicum  2 hrs
- DAA 3684  Dance Performance  1 hr
- TPA 2290L  Theatre Participation-Production I  1 hr
- TPP 2190L  Theatre Participation-Performance I  1 hr
- THE 2090L  Theatre Participation  1 hr
- DAA 3004L  Dance Studio  1 hr
- DAA 3508C  Jazz Dance III  2 hrs
- DAA 3905  Directed Study  1 hr
- DAA 4912  Directed Independent Research  1 hr

### 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.
- Student must consult dance advisor every semester. Students who do not consult with their dance advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor will lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- A minimum of 3 different dance styles must be completed in the minor.

## Digital Humanities - Minor

### 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. Mark Kamrath

Phone: 407-823-5596

### Admission Requirements
- None

### Minor Requirements
- None

### Prerequisite Courses
- None

#### Required Courses  (6 hrs)
- HUM 3830  Introduction to Digital Humanities  3 hrs
- DIG 3171  Tools for Digital Humanities  3 hrs

#### Restricted Electives  (12 hrs)

##### Technology and Applied Skills  6 hrs
- Select two from the following:
  - CRW 3713  Writing for Video Games or  3 hrs
  - DIG 4704  Interactive Entertainment or  3 hrs
  - DIG 4855  Converging Media Capstone or  3 hrs
  - ENC 4416  Writing in Digital Environments or  3 hrs
  - ENG 3817  Digital Archives or  3 hrs
  - ENC 4414  Writing and Hypertext or  3 hrs
  - ENC 4290  Usability Testing for Technical Communication or  3 hrs

##### Theory and Critique  6 hrs
- Select two from the following:
  - AMH 4644  Viewing American History in the Twentieth Century or  3 hrs
  - DIG 3024  Digital Cultures & Narrative or  3 hrs
  - ENC 3417  Literacy and Technology or  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 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.

## Digital Media - Minor

### College of Arts and Humanities


**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.
  - DIG 3003  Adventures in Emerging Media  3 hrs
  - DIG 3024  Digital Cultures & Narrative  3 hrs
  - DIG 3043  Evolution of Video Games  3 hrs
  - DIG 3134  Media Software Design  3 hrs
  - DIG 3480  Computer as a Medium  3 hrs
  - DIG 3525  Digital Media Production I  3 hrs
  - DIG 3583  Information Management and Entrepreneurship  3 hrs
  - DIG 3716C  Internet Interaction  3 hrs
  - DIG 3811  User-Centered Design  3 hrs
  - DIG 4630C  Media Business Practices  3 hrs
  - DIG 4713  Game Design  3 hrs
  - DIG 4780C  Modeling for Realtime Systems  3 hrs
  - FIL 4040  Animation Film History for Non Film Majors  3 hrs

### Foreign Language Requirements
- None
Diplomacy - Minor
College of Sciences
College of Arts and Humanities
Department of Political Science, P
hillips 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
Dr. J. Sacher, 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 4513</td>
<td>United States as a Great Power: 1945-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4030</td>
<td>Diplomacy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4102</td>
<td>American Foreign Policy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (9 hrs)

■ Select from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 4512</td>
<td>US Diplomatic History: 1914-1945</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4404</td>
<td>Modern China</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3242</td>
<td>Modern Europe and the First World War</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3261</td>
<td>Second World War and Rebirth of Europe</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4574</td>
<td>History of Russia: 1901-1917</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4576</td>
<td>History of Russia in the 20th Century</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4620</td>
<td>European Great Powers: 1815-1914</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4663</td>
<td>History of Communism in Europe</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4054</td>
<td>Global Politics of Energy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4074</td>
<td>Immigration Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4075</td>
<td>Human Rights Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4076</td>
<td>Global Drug Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4104</td>
<td>Topics and Cases in American Foreign Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4114</td>
<td>American Security Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4351</td>
<td>International Environmental Law</td>
<td>3 hrs</td>
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<tr>
<td>INR 4401</td>
<td>International Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4502</td>
<td>International Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4603</td>
<td>International Relations Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4714</td>
<td>Politics of International Trade Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POT 4314</td>
<td>Contemporary Democratic Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POT 4632</td>
<td>Religion and Politics</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.
■ Internship, Co-op or Independent Study credit cannot be used toward the minor.

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.

Minor Requirements

■ Students used 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYO 3530</td>
<td>Social Power and Inequality</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)

■ Select from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYD 4810</td>
<td>Women in Contemporary Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 4813</td>
<td>Women, Law and Social Change</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3060</td>
<td>Sociology of Sex and Reproduction</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 4420</td>
<td>The Consumer Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4454</td>
<td>Global Inequality and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4732</td>
<td>Minority Aging</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.
■ Internship, Co-op or Independent Study credit cannot be used toward the minor.
### Minors

#### 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/](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 and does not complete the requirements for a major or certification. The 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.

**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.

**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 4004 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 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

**Other Requirements**
- None

#### Economics - Minor

**College of Business Administration**  
**Department of Economics,**  
**Business Administration II, Room: 305**  
[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)  
Dr. David Scrogin, BA2 302U, David.Scrogin@ucf.edu,  
407-823-4615  
Dr. Nora Underwood, BA2 302N, 407-823-1403  
Phone: 407-823-3266

(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 Economics (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 3101 Intermediate Microeconomics 3 hrs
  - ECO 203 Principles of Microeconomics 3 hrs

**Select 1:**
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

**Restricted Electives**
- **Upper Division Restricted Electives**  
  - Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.
  - Note: ECO 3401 (or equivalents) is a pre-requisite for 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.
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 Students in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Restricted Electives (3 hrs)
- Select one
  - MAE 4034 Programs in Teaching of Mathematics 3 hrs
  - SSE 4936 Programs in Teaching of Social Science 3 hrs
  - LAE 4342 Programs in Teaching of Language and Composition 3 hrs
  - LAE 4464 Survey of Adolescent Literature 3 hrs
  - SCE 4361 Programs in Teaching Science 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.

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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: 3 hrs
  - 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.
Minors

Minors

Minor Admission Requirements

- Students must have a declared Computer Science or engineering major. Not open to students in engineering pending majors.

Minor Requirements

- None

Required Courses

- 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 3638 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 3 hrs
- ENT 4183 Technological Entrepreneurship 3 hrs

1 Engineering Leadership Capstone

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 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 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 6 hrs

two courses

- CRW 3311 Readings in Poetry for Creative Writing 3 hrs
- CRW 3540 Literary Magazines 3 hrs
- CRW 4114 History of Prose Style 3 hrs
- CRW 4724 The Florida Review 3 hrs
- CRW 4014 The Writing Life 3 hrs
- ENC 3310 Magazine Writing I 3 hrs
- CRW 4722 Editing for Creative Writers 3 hrs
- CRW 8606C 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)

Select one course

- LIN 4643 Cross Cultural Communication 3 hrs
- LIN 4660 Linguistics and Literature 3 hrs
- LIN 4801 Language and Meaning 3 hrs
- LIN 5137 Linguistics 3 hrs
- ANT 3610 Language and Culture 3 hrs
- PHI 4000 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

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 - 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

1 PR for all 4000 level AML, ENG, ENL, and LIT courses

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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English Language Arts Education - Minor
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
  EDF 4467 Learning Theory and Assessment
  TSL 4080 Theory and Practice of Teaching ESOL Students in Schools
  LAE 4466 Canon, Young Adult Literature and the English Language Arts Curriculum
  LAE 4360 English Instructional Analysis

Select 1: (3 hrs)
- LAE 4342 Programs in Teaching Language and Composition
- LAE 4464 Survey of Adolescent Literature
- LAE 4361 Literacy Strategies in a Digital Age for Middle and High School

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
Minors

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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
ENT 3613 Creativity and Entrepreneurship 3 hrs
ENT 4013 New Venture Design 3 hrs
ENT 4014 New Venture Implementation 3 hrs

Select 1:
ENT 4183 Technological Entrepreneurship or 3 hrs
ENT 4503 Social Entrepreneurship 3 hrs

Select 2:
EGN 4614C 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 4948 Launching the Venture I or 3 hrs
ENT 4949 Launching the Venture II or 3 hrs
ENT 4906 Directed Independent Study or 1 hr
ENT 4942 Entrepreneurial Internship or 3 hrs
M AR 3407 Contemporary Selling or 3 hrs
MAR 3765 Entrepreneurial Marketing 3 hrs

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 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 12 hours used in the minor 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.

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
- 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
- GIS 3043C GIS for Environmental Studies 3 hrs
- 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
- 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.

Values, Planning, and Policy Electives
- ANT 3541 Biocultural Anthropology 3 hrs
- BOT 3802 Ethnobotany 3 hrs
Minors

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 department 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 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.

Restrictions
- Course substitutions are subject to prior approval by the director.

Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- 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 taken at the upper division.
- At least 15 credits used in the minor must be upper division.

Required Courses
- 6 hrs
  - CPO 4101 - Politics of the European Union
  - LIT 3082 - Continental European Fiction Since 1900

Restricted Electives
- 15 hrs
  - Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

Other Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL 2022</td>
<td>English Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4101</td>
<td>English Novel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4240</td>
<td>English Romantic Writers or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4262</td>
<td>Nineteenth Century British Prose or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4273</td>
<td>Modern British Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3820</td>
<td>Italian Film or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3822</td>
<td>French Film or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3823</td>
<td>German Film or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3824</td>
<td>Italian Neo-Realist Cinema or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 4500</td>
<td>French Civilization and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRT 3562</td>
<td>French Contemporary Pop Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3370</td>
<td>Short Stories of 18th, 19th and 20th Centuries</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GER 4520</td>
<td>Modern Germany or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEW 3101</td>
<td>Survey of German Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEW 3370</td>
<td>Short Story or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEW 3480</td>
<td>German Post-War Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEW 4482</td>
<td>German Children’s Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEW 4531</td>
<td>The Age of Goethe and Schiller or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ITT 4956</td>
<td>Study Abroad: Modern and Contemporary Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ITW 3101</td>
<td>Survey of Italian Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3751</td>
<td>Literature of the Holocaust or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4184</td>
<td>Irish Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 3101</td>
<td>Survey of Spanish Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 3370</td>
<td>Spanish Short Story or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 4272</td>
<td>20th Century Spanish Novel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 4322</td>
<td>Contemporary Iberian Theatre or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 4450</td>
<td>Spanish Literary Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 4460</td>
<td>Nineteenth Century Spanish Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 4720</td>
<td>The Generation of 1898</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

History

Select from the following courses: 6 hrs
- Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 3235</td>
<td>Romanticism and Realism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3242</td>
<td>Modern Europe and the First World War or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3281</td>
<td>Second World War and Rebirth of Europe or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3411</td>
<td>Ancient Rome or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3431</td>
<td>History of Modern Italy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3451</td>
<td>History of Modern France or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4284</td>
<td>Fascism and Nazism in the Interwar Europe or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4400</td>
<td>The History of Ancient Greece or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4465</td>
<td>Hitler’s Third Reich or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4501</td>
<td>English History: 1485-1815 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4502</td>
<td>British History: 1815-Present or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4574</td>
<td>History of Russia: 1801-1917 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4576</td>
<td>History of Russia in the 20th Century or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4582</td>
<td>20th Century Russian Diplomatic History or</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>EUH 4620</td>
<td>European Great Powers: 1815-1914 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4663</td>
<td>History of Communism in Europe or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GER 4510</td>
<td>Life and Culture in Nazi Germany or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3701</td>
<td>History of the Holocaust</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
**Minors**

**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 4754 Comparative Political Institutions or 3 hrs
- ECO 3703 International Microeconomics or 3 hrs
- ECO 4303 History of Economic Thought or 3 hrs
- INR 4035 International Political Economy 3 hrs

**Other Requirements**

- Total Semester Hours Required 21

**Foreign Language Requirements**

- No credit by exam (military credit, TSD) may be used in minor courses.
- No substitutions are allowed for any of the required minor courses.
- 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.

**Restricted Electives** 4 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3720</td>
<td>Event Management Fundamentals</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3741</td>
<td>Meeting Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3798</td>
<td>Fairs and Festivals</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4755</td>
<td>Entertainment Arts and Events</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4756</td>
<td>International Events</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Prerequisite is HFT 3519.

**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** 4 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2750</td>
<td>The Event Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3443</td>
<td>Event Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3512</td>
<td>Event Promotion</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3670</td>
<td>Hospitality and Event Risk Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 HFT 2750 is the prerequisite course for all upper level Event Management courses.

**Exceptional Student Education - Minor**

**College of Education and Human Performance**

**Department of Child, Family and Community Sciences**, **Education Complex, Room: 315P**

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** 6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 4061</td>
<td>Introduction to Behavior Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4763</td>
<td>Technology for Classroom Teachers of Students with Special Needs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3221</td>
<td>Assessment of Exceptional Students</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4566</td>
<td>Curriculum, Theory and Instructional Strategies for Students with Special Needs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives** 6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3241</td>
<td>Methods for Academic Skills for Exceptional Students</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4070</td>
<td>Teaching Exceptional Students</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3241</td>
<td>Methods for Academic Skills for Exceptional Students</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Minors

Secondary Restricted Electives
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.5 in all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105C or higher, are required.
- No credit by exam (CLEP, Military credit) may be used.
- Transfer credits from other universities will be considered.
- A minimum GPA of 2.5 is required in all courses used to satisfy the minor.

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: 3 hrs
  - FIL 1007 Foundations of Story or 3 hrs
  - FIL 1000 Cinema Survey 3 hrs

Restricted Electives (6 hrs)
- Choose Two
  - FIL 3880C Images of Women in Film 3 hrs
  - FIL 3051 Avant-Garde Cinema 3 hrs
  - FIL 3820 Italian Film 3 hrs
  - FIL 3845 World Cinema Traditions 3 hrs
  - FIL 3841 French New Wave Cinema 3 hrs
  - FIL 3824 Italian Neo-Realist Cinema 3 hrs
  - FIL 3822 French Film 3 hrs
  - FIL 3823 German Film 3 hrs
  - FIL 3831 Black Cinema 3 hrs
  - FIL 3826 American Cinema 3 hrs
  - FIL 3871 The American Film Artist 3 hrs
  - FIL 4647 Film Production Management 3 hrs
  - 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
Students seeking advising must go to BA 2 room 101.
http://web.bus.ucf.edu/academics/finance/

Open to business and non-business students. Not available to finance majors.

Minor Admission Requirements
- College of Business Students: Must meet Admission Standards for the Finance Major
- Non-Business Students: Meet Prerequisites Below

Minor Requirements
- None

Prerequisite Courses (14 hrs)
- (Non-Business Students)
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - STA 2023 Statistical Methods I 3 hrs
  - STA 3032 Probability and Statistics for Engineers 3 hrs
- 1 with a “B” or better

Required Courses (12 hrs)
- FIN 3403 Business Finance 3 hrs
- FIN 4453 Financial Models or 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.
- 2 or equivalent FIN 4504 Equity and Capital Markets

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

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.75 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 department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.
Fitness Training - 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 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.
- 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
- BSC 2010C Biology I (or equivalent) 4 hrs
- ZOO 3736C Exercise Physiology Anatomy (or equivalent) 4 hrs

Required Courses (12 hrs)
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
- APK 4110C Exercise Physiology 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs

Restricted Electives (6 hrs)
Select 2:
- PET 3771 Strength and Conditioning Concepts or Performance or 3 hrs
- PET 3768 Group Exercise Instruction or 3 hrs
- PET 4215 Motivational Aspects of Athletic Populations 3 hrs
- PET 3125 Fitness and Weight Management or 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Florida Studies - Minor
College of Arts and Humanities
Department of English, Colburn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
407-823-5596
Daniel Murphree, Daniel.Murphree@ucf.edu

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
- None

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
  - ANT 3398 Black/Seminole Relations 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,
Colburn Hall, Room: 521
http://mll.cah.ucf.edu/
Dr. Charlotte Trinquet, ctrinque@ucf.edu

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- 1 FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 3420 French Composition 3 hrs

1 A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
Global Peace and Security Studies - Minor  
**College of Sciences**  
Department of Political Science,  
Howard Phillips Hall, Room: 302  
[http://politics.cas.ucf.edu](http://politics.cas.ucf.edu)  
Department of History, Colbourn Hall, Room: 551  
[http://history.cah.ucf.edu](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**  
  - EUH 3651 - War and Society  
  - INR 4060 - Causes of War

**Restricted Electives**  
- **12 hrs**  
  - AMH 3547 - U.S. Military History Since 1900  
  - AMH 4513 - United States as a Great Power: 1945-Present  
  - ASH 3223 - The Modern Middle East  
  - ASH 4243 - History of Iraq  
  - ASH 4404 - Modern China  
  - CPO 3057 - Contemporary Revolution and Political Violence  
  - CPO 3403 - Politics of the Middle East  
  - CPO 4784 - Political and Economic Inequality in Comparative Perspective  
  - DSC 4012 - Terrorism  
  - EUH 3242 - Modern Europe and the First World War  
  - EUH 3281 - Second World War and Rebirth of Europe  
  - EUH 4284 - Fascism and Nazism in the Interwar Europe  
  - EUH 4663 - History of Communism in Europe  
  - INR 3253 - International Politics of Africa  
  - INR 4008 - Global Perspectives  
  - INR 4011 - Politics of Globalization  
  - INR 4030 - Diplomacy  
  - INR 4060 - Causes of War  
  - INR 4063 - The Cold War  
  - INR 4075 - Human Rights Policy  
  - INR 4084 - Politics of International Terrorism  
  - INR 4102 - American Foreign Policy  
  - INR 4114 - American Security Policy  
  - INR 4115 - Strategic Weapons and Arms Control  
  - INR 4224 - Contemporary International Politics of Asia  
  - INR 4243 - International Politics of Latin America  
  - INR 4304 - Issues in International Public Policy  
  - INR 4335 - Coercion in International Politics  
  - INR 4364 - The Intelligence Community  
  - INR 4744 - Militaries in World Politics  
  - INR 4764 - Cyberwarfare Policy  
  - INR 4774 - Military Space Policy  
  - LAH 3200 - Modern Latin America  
  - PLA 4583 - Cyber Law I  
  - POT 4632 - Religion and Politics

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- **18**

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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)  
  - HIM 4508C - Quality Management  
  - HIM 4656C - Health Information Management Systems  
  - HSC 3537 - Medical Terminology  
  - HIM 4226C - Coding Procedures I  
  - HIM 4256C - Coding Procedures II

**Restricted Electives**  
- None

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- **20**

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Minors

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
■ None

Required Courses (9 hrs)
- HUN 2201  Fundamentals of Human Nutrition  3 hrs
- HSC 3110  Medical Self Assessment  3 hrs
- HSC 3211  Preventive Health Care  3 hrs

1 PCB 3703C is a prerequisite for this course.

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 4559  Disabilities in American Society  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
- 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
Philip Wessel, Undergraduate Program Director, hsainfo@ucf.edu
Phone: 407-823-2225

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

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 3 hrs
- HIM 4508C  Quality Management or 3 hrs
- HSA 4702  Health Sciences Research Methods  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all courses for the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department of Health Management and Informatics.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

History - Minor
College of Arts and Humanities
Department of History, 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

Restricted Electives (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-” (1.75) or better is required in all courses used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used without academic advisor’s approval.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.
Hospitality Management - Minor
Rosen College of Hospitality Management
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
Select 4 Courses 12 hrs
HFT 2401 Hospitality Industry Financial Accounting
HFT 2500 Hospitality and Tourism Marketing
HFT 2220 Hospitality Human Resources Management
HFT 3444 Hospitality Information Systems
HFT 3603 Legal Environment in the Hospitality and Tourism Industry
HFT 3224 Hospitality Management & Leadership Fundamentals
HFT 3700 Tourism Management
HFT 3263 Restaurant Management
HFT 3273 Principles of Resort Timesharing
HFT 4755 Theme Park and Attraction Management
HFT 2750 The Event Industry
HFT 2254 Lodging Operations
HFT 4277 Club Management

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum overall GPA of “C” (2.0) or better in all courses used to satisfy the minor.
■ At least 12 credit hours used in the minor must be earned at UCF within the College.
■ It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
■ Final exams will be given during Final Exam Week only.
■ Internship or Independent Study credit cannot be used toward the minor.

Human Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, jkatt@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
■ Not open to Ad-PR, Human Communication, Journalism, or Radio-TV majors.

Minor Requirements
■ None

Prerequisite Courses
■ Students must satisfy course prerequisites before enrolling.

Required Courses (12 hrs)
COM 3011C Communication and Human Relations 3 hrs
COM 3120 Organizational Communication 3 hrs
SPC 3301 Interpersonal Communication 3 hrs
COM 3311 Communication Research Methods 3 hrs

Restricted Electives (9 hrs)
Select from the following courses:
COM 3013 Communication and the Family 3 hrs
COM 3022 Health Communication 3 hrs
COM 3110 Business and Professional Communication 3 hrs
COM 3332 Communication, Technology, and Change 3 hrs
COM 3406 Role of Motivation in Communication 3 hrs
COM 4014 Gender Issues in Communication 3 hrs
COM 4418 Terrorism and Communication 3 hrs
COM 4461 Intercultural Communication 3 hrs
COM 4462 Conflict Management 3 hrs
SPC 3445 Leadership Through Oral Communication 3 hrs
SPC 3513C Argumentation and Debate 3 hrs
SPC 4331 Nonverbal Communication 3 hrs
SPC 4426 Group Dynamics 3 hrs
SPC 4540 Persuasion and Communication 3 hrs
Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted.
■ At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication
■ 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.

Human Services - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Complex, Room: 322
Website: 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 courses.
- 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

Required Courses (15 hrs)
- MHS 2330 Career Planning 3 hrs
- MHS 2441 Couples, Families and Intimate Relationships 3 hrs
- MHS 3052 Helping Skills for Human Service Providers 3 hrs
- MHS 3426 Diversity Issues in Human Services 3 hrs

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.
- Transfer credits from other colleges/universities may be considered.

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 2030 Introduction to the Humanities 3 hrs
- HUM 2040 Introduction to the Cultural Studies 3 hrs
- HUM 2100 Cultural Traditions: An Introduction to Cultural Studies 3 hrs
- HUM 2150 Introduction to Critical Thinking 3 hrs
- HUM 2200 Introduction to Cultural Analysis 3 hrs
- HUM 2300 Introduction to Social Analysis 3 hrs
- HUM 2400 Introduction to Comparative Analysis 3 hrs
- HUM 2500 Introduction to Historical Analysis 3 hrs
- HUM 2600 Introduction to Political Analysis 3 hrs
- HUM 2700 Introduction to Literary Analysis 3 hrs
- HUM 2800 Introduction to Religious Analysis 3 hrs
- HUM 2900 Introduction to Intellectual Analysis 3 hrs

Restricted Electives (15 hrs)
- Four semester hours of a restricted elective with HUM prefix (selected with advisor’s approval).

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.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- Select one (1) of the following courses:
  - COP 2500C Concepts in Computer Science 4 hrs
  - COP 3223C Introduction to Programming with C 3 hrs

Restricted Electives (15 hrs)
- Select any five (5) courses required for the IT major and taught by CS/IT at UCF with the following prefixes: CAP, CGS, CIS, CNT, COT, or COP.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Not open to Information Technology majors.
- A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.
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 Schaefer, 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

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.
- 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 4384 The Intelligence Community 3 hrs

Restricted Electives (12 hrs)
- Select four courses from the following list:
  - CJJ 4075 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 2053 International Politics of Africa 3 hrs
  - INR 4060 Causes of War 3 hrs
  - INR 4076 Global Drug Policy 3 hrs
  - INR 4083 War and Violent Politics 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 4224 Contemporary International Politics of Asia 3 hrs
  - INR 4333 International Security 3 hrs
  - INR 4335 Coercion in International Politics 3 hrs
  - INR 4744 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

Intelligent Robotic Systems (IRS) - Interdisciplinary - Minor

College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Paul Edlen, Paul.Edlen@ucf.edu, 407-823-2455

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses (3 hrs)
Select 1:
- A high-level programming language class (like the following or its equivalent) is required for the minor.
- COP 323C Introduction to Programming with C or
- EGN 3211 Engineering Analysis and Computation 3 hrs

Required Courses (6 hrs)
- EEL 4060C Introduction to Robotics 3 hrs
- EEL 4660 Robotic Systems 3 hrs

Restricted Electives (12 hrs)
Select 4:
- Note: Courses with equivalent content cannot both be counted toward the electives.
- CAP 4053 AI for Game Programming or 3 hrs
- CAP 4453 Robot Vision or 3 hrs
- CAP 4630 Artificial Intelligence or 3 hrs
- CAP 4515 Computer Vision or 3 hrs
- CAP 5512 Evolutionary Computation or 3 hrs
- CAP 5610 Machine Learning or 3 hrs
- COP 3503C Introduction to Modern and Robust Control Systems or 3 hrs
- EEL 4612C Introduction to Mobile and Robust Control or 4 hrs
- EEL 4750 Digital Signal Processing Fundamentals or 3 hrs
- EEL 4818H Honors Current Topics in Machine Learning or 3 hrs
- EEL 4872 Engineering Applications of Intelligent Systems or 3 hrs
- EEL 5669 Introduction to Robotics and Autonomous Vehicles or 3 hrs
- EEL 5173 Linear Systems Theory or 3 hrs
- EEL 5513 Digital Signal Processing Applications or 3 hrs
- EEL 5625 Applied Control Systems or 3 hrs
- EEL 5630 Digital Control Systems or 3 hrs
- EEL 5820 Image Processing or 3 hrs
- EEL 5825 Pattern Recognition or 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EML 317 Engineering Mechanics - Dynamics or 3 hrs
- EML 3262 Kinematics of Mechanisms or 3 hrs
- EML 4225 Introduction to Vibrations and Controls or 3 hrs
- EML 4312C Feedback Control or 3 hrs
- EML 4313 Intermediate System Dynamics and Controls or 3 hrs
- EML 4264 Vehicle Dynamics or 3 hrs
- EML 4904C Digital Control in Mechatronics or 3 hrs
- EML 5311 System Control or 3 hrs
- EML 5260 Introduction to MEMS and Micromachining or 3 hrs
Minors

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.

International and Global Studies - Minor

College of Sciences

Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalsecience.cos.ucf.edu/
Email: politics@ucf.edu
Dr. Paul Vasquez
Phone: 407-823-2608

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

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 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 4074 Immigration Policy or  3 hrs
  - INR 4075 Human Rights Policy or  3 hrs
  - INR 4076 Global Drug Policy or  3 hrs
  - INR 4350 Global Environmental Politics 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  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 3103 Comparative Politics or  3 hrs
  - CPO 4062 Comparative Judicial Process or  3 hrs
  - CPO 4074 Political Economy or  3 hrs
  - CPO 4445 Comparative Political Parties 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
  - DSC 4012 Terrorism or  3 hrs
  - EUH 3651 War and Society or  3 hrs
  - MMC 4300 International Media or  3 hrs
  - SYP 4454 Global Inequality and Society or  3 hrs
  - Three one credit Foreign Language across the Curriculum (FLAC) courses

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
  - GEB 3955 Study Abroad or
  - GEB 4955 Study Abroad

Select 12 to 15 hours of Study Abroad
- 12 hrs

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

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. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries where English is widely spoken.

  - 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 3034 Politics of Developing Areas 3 hrs
    - CPO 3103 Comparative Politics 3 hrs
    - CPO 3104 Politics of Western Europe 3 hrs
    - CPO 4010 Politics of the European Union 3 hrs
    - CPO 4303 Comparative Latin American Politics 3 hrs
    - CPO 4643 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.

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.

- 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.
Minors

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.

Restrictive 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.
- No credit by exam (TSD, Military credit) may be used.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.
- Grades below a “C” (2.0) are not accepted in the minor.
- A minimum GPA of 2.0 is required in all courses used to satisfy minor.

Restricted Electives (12 hrs)
- Select four upper division Italian language courses offered in the Department of Modern Languages.
- Approval of a departmental advisor is required prior to registration.

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.
- 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.

Italian - Minor

College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 522
http://mll.cah.ucf.edu/
Dr. Chiara Mazzucchelli, chiara.mazzucchelli@ucf.edu

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- ITA 3420 Italian Composition 3 hrs
- ITA 3760 Advanced Italian Oral Communication 3 hrs
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 four upper division Italian language courses offered in the Department of Modern Languages.
- Approval of a departmental advisor is required prior to registration.

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.
- 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
Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu, 407-823-2681

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
- JOU 3004 History of American Journalism 3 hrs

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
Email: judaicst@ucf.edu
TBD, 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 Writings: The Jewish People in Dispersion 3 hrs
- JST 3415 American Jewish History 3 hrs
- JST 3481 20th Century Jewish History and Thought 3 hrs
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

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 three (3) 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 3673 Modern Art of Mexico 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 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
FRW 3752 French Caribbean Literature 3 hrs
SPW 4382 Central American Literature 3 hrs
SPN 4852 Bilinguismo 3 hrs
SPW 4730 Hispanic Literature of the United States 3 hrs
SPN 4780 Spanish Phonetics 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 4481 History of Puerto Rico 3 hrs
LAH 4480 History of Cuba 3 hrs
LAH 4742 The Mexican Revolution 3 hrs
LAH 4780 Poverty and Development in Latin America 3 hrs
LAH 3200 Modern Latin America 3 hrs

Latin American Studies
GEA 3455 Geography of Brazil 3 hrs
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
LAS 3220 Brazilian Culture 3 hrs

Political Science
CPO 4363 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
Minors

Minors

Foundation Requirement 4 hrs
Required Courses (19 hrs)

None

Minor Admission Requirements

None

Minor Requirements

None

Prerequisite Courses

None

Required Courses (19 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
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 (18 hrs)

Foundation Requirement 4 hrs
LDR 2001 Foundations of Leadership 2 hrs
LDR 2002 Intermediate Foundations of Leadership 2 hrs

Restricted Requirements 15 hrs

Choose one course from each of the five areas:

Communication 3 hrs
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 3 hrs

Collaboration 3 hrs
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 3 hrs

Social Relations and Culture 3 hrs
ANT 3541 Biobehavioral Anthropology or 3 hrs
CLP 3143 Abnormal Psychology or 3 hrs
COM 4461 Intercultural Communication or 3 hrs
EXP 3304 Motivation 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 3764 Psychology of Diversity 3 hrs

Politics 3 hrs
PAD 3003 Public Administration in American Society or 3 hrs
PAD 4104 Administrative Theory or 3 hrs
PAD 4144 Nonprofit Organizations or 3 hrs
PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs
POS 3413 The American Presidency or 3 hrs
POS 4206 Political Psychology or 3 hrs
PUP 3325 Women and Political Behavior or 3 hrs
SY 4300 Political Sociology 3 hrs

Ethics 3 hrs
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 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 cannot be used toward the minor.
Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.

Legal Studies - Minor

College of Health and Public Affairs
Department of Legal Studies,
Health and Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter, Program Coordinator
Rupert Neish II, Program Academic Advisor
Phone: 407-823-1670

Minor Admission Requirements

None

Minor Requirements

None

Prerequisite Courses

None

Required Courses (18 hrs)

PLA 3014 Law and the Legal System 3 hrs

Restricted Electives (18 hrs)

Restricted Upper Division Electives 15 hrs

15 Semester hours of legal studies courses selected with the aid of an advisor

Restricted Electives 3 hrs

3 semester hours of law-related courses selected with the aid of an advisor
Minors

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.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Magazine Journalism - Minor
College of Sciences
Nicholson School of Communication, 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

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 2100C News Reporting 3 hrs
- JOU 3510 Magazine Publishing 3 hrs
- JOU 4447 Magazine Editing and Production 3 hrs

Restricted Electives (3 hrs)
- Select one:
  - ENC 3310 Magazine Writing I or 3 hrs
  - JOU 3310 Social Media Writing for Magazines or 3 hrs
  - JOU 3201 Editing I or 3 hrs
  - JOU 4211C Informational Graphics 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
- 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 credit cannot be used toward the minor.
- A maximum of 3 credit hours of the listed required or elective courses for the marketing 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 marketing minor.

Mass Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Joan McCain, joan.mccain@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

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 the minor.
- Grades below "C" (2.0) in lower level courses 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.
Minors

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)

- ADV 3008 Principles of Advertising 3 hrs
- MMC 2004 Mass Media 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs

Restricted Electives (9 hrs)

Select from the following:

- ADV 4103 Radio-Television Advertising 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- JOU 3004 History of American Journalism 3 hrs
- JOU 3015 Principles of Journalism 3 hrs
- JOU 4700 Journalism Ethics 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- MMC 4300 International Media 3 hrs
- MMC 4602 Contemporary Media Issues 3 hrs
- PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
- PUR 4000 Public Relations 3 hrs
- PUR 4400 Crisis Communication 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 4700 Regulation of Broadcasting 3 hrs
- VIC 3001 Visual Communication 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

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

This minor provides students with an opportunity to learn about the field of materials science and engineering. 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: 3 hrs

- EGN 3865 Structure and Properties of Materials 3 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs

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.

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 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 18 hours used in the minor must be earned at UCF within the department of Sociology.
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
Phone: 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

   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 4683  Evolutionary Biology  4 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 24

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
   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
   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 4683  Evolutionary Biology  4 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 24

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.
Minors

Mathematics Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/mathed/
Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu, 407-823-4336
Dr. Janet Andreason, ED 123Q, Janet.Andreason@ucf.edu

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond. 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 4080  Theory and Practice of Teaching ESL Students in Schools 3 hrs
- RED 4043  Content Reading in Kindergarten through Grade 12 3 hrs
- MAE 3366  Middle and High School Mathematics for Teaching 3 hrs
- Select 1: 3 hrs
  - MAE 4360  Mathematics Instructional Analysis or
  - MAE 4694  Programs in Teaching of Mathematics 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 mathematics as co-requisites
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

Mathematical Data - Minor
College of Science
Department of Anthropology
Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
Email: anthro@ucf.edu
Dr. Arlen Chase, (407) 823-2227

The Medical Anthropology minor develops students’ understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.

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.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.
- Required Courses (12 hrs)
  - ANI 4100  Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
  - ANI 2511  The Human Species 3 hrs
  - ANI 4406  Culture, Disease, and Healing 3 hrs
  - ANI 4462  Medical Anthropology 3 hrs

Restricted Electives
- Restricted Electives, Group A: 3 hrs
  - Select from the list below:
    - ANI 3241  Magic, Ritual, and Belief 3 hrs
    - ANI 3302  Sex, Gender and Culture 3 hrs
    - ANI 4467  Nutritional Anthropology 3 hrs
    - ANI 4516  Human Biological Diversity 3 hrs
    - ANI 4560  Birth to Death: Anthropological Perspectives on Human Growth 3 hrs

- Restricted Electives, Group B: 6 hrs
  - Select from the list below:
    - ANI 3148  Life and Death in Ancient Egypt 3 hrs
    - ANI 3541  Biobehavioral Anthropology 3 hrs
    - ANI 3701  Engagement & Social Change: Public Anthropology 3 hrs
    - ANI 4013  Anthropology of Fast Food 3 hrs
    - ANI 4184  Mortuary Archaeology 3 hrs
    - ANI 4521  Forensic Anthropology 3 hrs
    - ANI 4525C  Human Osteology 4 hrs
    - ANI 4802  Ethnographic Field Methods 3 hrs
    - May substitute a health-related course from another department with prior permission from Anthropology.

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

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.

Medical Sociology - Minor
College of Sciences
Department of Sociology
Howard Phillips Hall, Room: 403
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 will 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
- 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 3060 Sociology of Sex and Reproduction 3 hrs
  - SYV 3551 Patterns of Alcoholism in Society 3 hrs
  - SYP 4550 Patterns of Drug Abuse in Society 3 hrs
  - SYG 4730 Patterns of Aging in Society 3 hrs

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.

Medieval and Renaissance Studies - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://www.english.ucf.edu/
Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- Students are responsible for meeting any prerequisites for the courses in the minor.

Required Courses (6 hrs)
- SYO 4400 Medical Sociology 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- SYG 2010 Social Problems 3 hrs

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

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

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: 1485-1815 3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern 3 hrs
- EUH 3124 The Crusades 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 3370 Spanish Short Story 3 hrs
- SPW 4310 Early Modern Spanish Theatre 3 hrs
- SPW 4322 Contemporary Iberian Theatre 3 hrs
- SPW 4604 Cervantes 3 hrs
- ITT 3443 Dante’s Inferno 3 hrs

Department of Music
- MÜH 4322 Medieval and Renaissance Music 3 hrs

Department of Philosophy
- PHH 3200 Medieval Philosophy 3 hrs
- HUM 3435 Medieval Humanities 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

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.
Minors

Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120,1121).

### ARA 2200 Intermediate Arabic Language and Civilization I 3 hrs
### ASH 3222 Islam and Its Empires 3 hrs
### ASH 5227 The Arab-Israeli Conflict 3 hrs
### CPO 4710 Women in Comparative Politics 3 hrs
### HBR 2200 Intermediate Modern Hebrew I 3 hrs
### REL 3320 Moses, Jesus and Muhammad 3 hrs
### JST 3401 Jewish People in Antiquity 3 hrs
### JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
### JST 3820 Modern Israeli Culture 3 hrs
### PHH 3200 Medieval Philosophy 3 hrs
### REL 2300 World Religions 3 hrs

### Foreign Language Requirements

None

### Total Semester Hours Required

18

### Other Requirements

- Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
- At least 15 hours used to satisfy this minor must be at the upper division level.
- A grade of “C” or above (2.0) is required in each course for the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### Military Science - Minor

College of Engineering and Computer Science
Army ROTC, 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.
- 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

### 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)**
  - MUT 1004 Fundamentals of Music I 3 hrs
  - MUT 1121 Music Theory and Musicianship I 4 hrs
- **Select 1:** (3 hrs)
  - MUL 2010 Enjoyment of Music or 3 hrs
  - MUL 2016 Evolution of Jazz or 3 hrs
  - MUL 2720 Music of the World or 3 hrs
  - MUH 2017 Survey of Rock Music or 3 hrs
  - MUH 2019 American Popular Music, 1840s-present 3 hrs

### Restricted Electives

- Restricted 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 4 hrs
- PHY 2053C College Physics I 4 hrs

Select 1:
- PHY 2049C General Physics Using Calculus II or 4 hrs
- PHY 2054C College Physics II 4 hrs

Select 1:
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHS 1440 Principles of Chemistry 4 hrs

Suggested Courses
- EGN 3211 Engineering Analysis and Computation 3 hrs
- COP 3223C Introduction to Programming with C 3 hrs

Required Courses (9 hrs)
- The three required courses include a 20-hour service learning component.
- 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

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 3802L Intermediate Physics Laboratory 3 hrs
- PHY 3101 General Physics Using Calculus III 3 hrs
- PHZ 3151 Computer Methods in Physics 3 hrs
- BSC 3424 Nanobiotechnology 3 hrs
- OSE 3490 Nanophotonics 3 hrs
- PHY 5933 Selected topics in biophysics of macromolecules 3 hrs
- PHY 4604 Wave Mechanics I 3 hrs
- PHY 4605 Wave Mechanics II 3 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 5450 Polymer Chemistry 3 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology 3 hrs
- PHI 4690 Ethics in Nanoscale and Nanotechnology 3 hrs
- PHZ 5425C Electron Solid Interactions 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.
- Note: To obtain a Service-Learning certificate, four UCF-approved service-learning courses must be completed. Service-Learning courses are designated with “SL” and can be accessed under “special groups” in the class schedule.

Nonprofit Management/National Certification in Nonprofit Management - Minor
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
Stephanie Krick, stephanie.krick@ucf.edu, 407-823-0661

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 (9 hrs)
- None

Required Courses
- 1 PAD 3930 Nonprofit Leadership Seminar 3 hrs
- 2 PAD 4948 Nonprofit Management Internship 3 hrs
- PAD 4144 Nonprofit Organizations 3 hrs

1 One credit hour course repeated three semesters.
2 Internships within other programs may be accepted with prior approval of Nonprofit Leadership Alliance advisor.

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
- 1 ACG 2021 Principles of Financial Accounting or 3 hrs
- 1 ACG 2071 Principles of Managerial Accounting or 3 hrs
- 1 MAN 3025 Management of Organizations or 3 hrs
- PAD 4131 Public Sector Project Management or 3 hrs
- PAD 4204 Fiscal Management or 3 hrs
- 1 PAD 5850 Grant and Contract Management or 3 hrs
- 1 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 or 3 hrs

Select 1: 3 hrs
- Group II: Human Development and Human Resource Development and Volunteerism
- 1 MAN 3301 Strategic Human Resource Management or 3 hrs
- 1 MAN 4101 Human Relations in Management or 3 hrs
- 1 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 346 Psycholog of Aging or 3 hrs
- EDG 4941 Directed Field Experience or 3 hrs

Select 1: 3 hrs
- Group III: Communication & Marketing and Fund Raising Principles & Practices
- 1 COM 3110 Business and Professional Communication or 3 hrs
- 1 GEB 3031 Integrated Business Foundations or 3 hrs
Minors

Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3312</td>
<td>Ethnology of North American Indians</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3398</td>
<td>Black/Seminole Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3311</td>
<td>Indians of the Southeastern United States</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4153</td>
<td>North American Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANM 3580</td>
<td>North American Indians</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (6 hrs)

- Complete two of the following courses:
- Course substitutions must be approved in advance by the North American Indian Studies Program Director.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3152</td>
<td>Cliffs, Canyons, and Deserts: Ancient</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3158</td>
<td>Florida Archaeology</td>
<td>3 hrs</td>
</tr>
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<td>Indians of the Southeastern United States</td>
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<td>U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 3441</td>
<td>History of the Frontier: Eastern America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3643</td>
<td>Contemporary Native American Prose and Poetry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4794</td>
<td>Indigenous Politics and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 3076</td>
<td>American Indian Politics</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 to satisfy the minor.

Performing Arts Administration - Minor

College of Arts and Humanities

Department of Music,

Performing Arts Center, Room: M203

http://music.cah.ucf.edu/

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

- 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.

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.

<table>
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<tr>
<th>Course Code</th>
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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 4400</td>
<td>Theatre Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2000</td>
<td>Theatre Survey</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2020</td>
<td>Survey of Theatre for Majors</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (12 hrs)

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ANT 3245</td>
<td>Native American Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3312</td>
<td>Ethnology of North American Indians</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Internship

- The internship will be a capstone experience taking an average of ten hours per week. Students are responsible for securing an internship position, which may be paid or unpaid, on- or off-campus, with qualifying performing arts organization. Students will secure approval for internship positions and responsibilities from the department curriculum committee.

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<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4144</td>
<td>Nonprofit Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4400</td>
<td>Theatre Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 4320</td>
<td>Music Business and Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (9 hrs)

- Select three courses, one from each of the three different areas.

Finance & Budgeting

<table>
<thead>
<tr>
<th>Course Code</th>
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<tr>
<td>FIN 2100</td>
<td>Personal Finance and Investments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

North 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. Rosalyn Howard
Phone: 407-823-2227

The North American Indian Studies minor will enhance a student’s understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for 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.

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.

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<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>3 hrs</td>
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Internship

- The internship will be a capstone experience taking an average of ten hours per week. Students are responsible for securing an internship position, which may be paid or unpaid, on- or off-campus, with qualifying performing arts organization. Students will secure approval for internship positions and responsibilities from the department curriculum committee.

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Restricted Electives (9 hrs)

- Select three courses, one from each of the three different areas.

Finance & Budgeting

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</table>
Philosophy - Minor

Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

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: 3 hrs
  PHI 2011 Philosophical Reasoning or 3 hrs
  PHI 2101 Formal Logic I or 3 hrs
  PHI 2647 Logic and Ethics or 3 hrs
  PHI 3131 Formal Logic II or 3 hrs
  PHI 2108 Critical Thinking 3 hrs

History of Philosophy
  Select 1: 3 hrs
  PHH 3100 Ancient Philosophy or 3 hrs
  PHH 3200 Medieval Philosophy or 3 hrs
  PHH 3460 Modern Western Philosophy or 3 hrs
  PHH 3800 Contemporary Philosophy 3 hrs

Values and Society
  Select 1: 3 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 3625 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
  PHM 4031 Environmental Philosophy or 3 hrs
  PHH 3701 Native American Philosophy or 3 hrs
  PHI 3805 Contemporary Aesthetics or 3 hrs
  PHM 3020 Philosophy of Love or 3 hrs
  PHI 4673 Medical Ethics 3 hrs

Being and Knowing
Select 1: 3 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 Cognitive Science or 3 hrs
  PHP 4782 Phenomenology or 3 hrs
  PHI 4221 Philosophy of Language 3 hrs

Topics in Philosophy
Select 1: 3 hrs
  PHI 4931 Philosophy in the News or 3 hrs
  PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or 3 hrs
  PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
  PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
  PHI 4804 Critical Theory or 3 hrs
  PHP 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 3786 Existentialism or 3 hrs
  PHP 4933 Key Concepts in Philosophy or 3 hrs
  PHP 4931 Key Figures in Philosophy 3 hrs

Restricted Electives (3 hrs)
- Select one additional course from any of the courses listed above.
- Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

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.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
## Minors

- 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
- 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 - Minor

### 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. 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 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 IDS 4315 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

### 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 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 of Persuasive Writing or 3 hrs
  - LIN 4801 Language and Meaning or 3 hrs
  - LIT 3437 International Environmental Justice 3 hrs

- History
  - AMH 3560 Women, Law, and Society in American History 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.

Professional Selling - Minor

College of Business Administration
Department of Marketing

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

(Minimum GPA of 2.0 is required in all courses used to satisfy the minor.)

- MAR 3023 Marketing 3 hrs
- MAR 3391 Professional Selling 3 hrs
- MAR 3611 Marketing Analysis and Research Methods 3 hrs
- MAR 4418 Strategic Sales Force Management 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs
- MAR 4413C Strategic Issues in Sales 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.

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

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

- PSY 3204 General Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs
Minors

Select one statistics course: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Restricted Electives (15 hrs)
A. Experimental
Select 1: 3 hrs
EXP 3204 Perception or 4 hrs
EXP 3404 Basic Learning Processes or 3 hrs
EXP 3604 Cognitive Psychology or 4 hrs
PSB 4240C Neuropsychology or 4 hrs
EXP 3640 Psychology of Language 3 hrs

B. Personality/Social
Select 1: 3 hrs
PPE 3003 Personality Theory and Research or 3 hrs
SOP 3004 Social Psychology 3 hrs

C. Developmental
Select 1: 3 hrs
DEP 2004 Developmental Psychology or 3 hrs
DEP 3202 Psychology of Exceptional Children or 3 hrs
DEP 3464 Psychology of Aging 3 hrs

D. Diversity
Select 1: 3 hrs
CLP 3184 Women’s Mental Health or 3 hrs
SOP 3723 Cross Cultural Psychology or 3 hrs
SOP 3724 Psychology of Prejudice or 3 hrs
SOP 3742 Psychology of Women or 3 hrs
SOP 3784 Psychology of Diversity 3 hrs

E. Select one additional Psychology elective 3 hrs
The following courses will NOT fulfill this requirement:
INP 3141C Advanced Applied Psychology 3 hrs
INP 3951 Industrial/Organizational Field Work 3 hrs
PSY 3965 Directed Independent Study 1 hr
PSY 4906 Directed Independent Study 3 hrs
PSY 4912 Directed Independent Research 3 hrs
1 PSY 3951 Undergraduate Field Work 3 hrs

1 This course may fulfill the requirement with prior approval.

Foreign Language Requirements
None

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.

Real Estate - Minor
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration I, Room: 427
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
None

Required Courses (21 hrs)
PAD 3003 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

Restricted Electives (6 hrs)
Select 2: 6 hrs
REE 4103 Real Estate Appraisal and Valuation or 3 hrs
REE 4203 Commercial Real Estate Finance or 3 hrs
REE 4204 Residential Real Estate Finance or 3 hrs
REE 4303 Real Estate Investment Analysis or 3 hrs
REE 4732 Real Estate Development or 3 hrs
REE 3614 Environmental Issues for Real Estate or 3 hrs
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 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.

Public Administration - Minor
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cooha.ucf.edu/publicadmin
Dr. Michael Abels, michael.abels@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)
PAD 3003 Public Administration in American Society 3 hrs
PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs

Restrict Electives (15 hrs)
A. Experimental
Select 1: 3 hrs
EXP 3204 Perception or 4 hrs
EXP 3404 Basic Learning Processes or 3 hrs
EXP 3604 Cognitive Psychology or 4 hrs
PSB 4240C Neuropsychology or 4 hrs
EXP 3640 Psychology of Language 3 hrs

B. Personality/Social
Select 1: 3 hrs
PPE 3003 Personality Theory and Research or 3 hrs
SOP 3004 Social Psychology 3 hrs

C. Developmental
Select 1: 3 hrs
DEP 2004 Developmental Psychology or 3 hrs
DEP 3202 Psychology of Exceptional Children or 3 hrs
DEP 3464 Psychology of Aging 3 hrs

D. Diversity
Select 1: 3 hrs
CLP 3184 Women’s Mental Health or 3 hrs
SOP 3723 Cross Cultural Psychology or 3 hrs
SOP 3724 Psychology of Prejudice or 3 hrs
SOP 3742 Psychology of Women or 3 hrs
SOP 3784 Psychology of Diversity 3 hrs

E. Select one additional Psychology elective 3 hrs
The following courses will NOT fulfill this requirement:
INP 3141C Advanced Applied Psychology 3 hrs
INP 3951 Industrial/Organizational Field Work 3 hrs
PSY 3965 Directed Independent Study 1 hr
PSY 4906 Directed Independent Study 3 hrs
PSY 4912 Directed Independent Research 3 hrs
1 PSY 3951 Undergraduate Field Work 3 hrs

1 This course may fulfill the requirement with prior approval.

Foreign Language Requirements
None

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.

REAL ESTATE - MINOR

College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration I, Room: 427
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
None

Required Courses (6 hrs)
ACG 2021 Principles of Financial Accounting 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Required Courses (12 hrs)
FIN 2100 Personal Finance and Investments 3 hrs
FIN 3403 Business Finance 3 hrs
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs

Restrict Electives (6 hrs)
Select 2: 6 hrs
REE 4103 Real Estate Appraisal and Valuation or 3 hrs
REE 4203 Commercial Real Estate Finance or 3 hrs
REE 4204 Residential Real Estate Finance or 3 hrs
REE 4303 Real Estate Investment Analysis or 3 hrs
REE 4732 Real Estate Development or 3 hrs
REE 3614 Environmental Issues for Real Estate or 3 hrs
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 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.

UNIVERSITY OF CENTRAL FLORIDA

398 Undergraduate Catalog 2016-2017
Religion and Cultural Studies - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@uf.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 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
JST 3041  Jewish People in Antiquity 3 hrs

Asian and Indigenous Traditions 3 hrs
REL 3333  Hinduism or 3 hrs
REL 3340  Buddhism or 3 hrs
ANT 3245  Native American Religions 3 hrs

C. Theories and Methods 6 hrs
- Must select one in each category
Religion 3 hrs
REL 4936  Key Figures in Religion and Cultural Studies or 3 hrs
REL 4496  Key Concepts in Religion and Cultural Studies or 3 hrs
PHI 3700  Philosophy of Religion or 3 hrs
REL 4157  Religion and Psychoanalysis or 3 hrs
PHI 3720  Faith and Reason 3 hrs

Cultural Studies 3 hrs
HUM 4459  American Cultural Studies in Humanities or 3 hrs
HUM 3805  Critical Theory in the Humanities or 3 hrs
HUM 3326  Theories of Sex and Gender in Humanities or 3 hrs
HUM 4823  Queer Theory in the Humanities or 3 hrs
HUM 4826  Postcolonial Theory or 3 hrs
PHI 4804  Critical Theory or 3 hrs
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 Culture 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 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 to Modernism in Judaism 3 hrs
POT 4632  Religion and Politics 3 hrs
SYO 4200  Religion in Society 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 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

Russian Studies - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
Email: History@ucf.edu

Dr. Vladimir Solonari
Dr. Alla Kourova
Phone: 407-823-6617

Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Language Classes 6 hrs
RUS 2200  Intermediate Russian Language and Civilization I 3 hrs
RUS 2201  Intermediate Russian Language and Civilization II 3 hrs

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 3082  Continental European Fiction Since 1900 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
Minors

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)
- 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
  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

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 (6 hrs)
- CIS 3360  Security in Computing  3 hrs
- CIS 3362  Cryptography and Information Security  3 hrs

Restricted Electives (12 hrs)
- Elective Courses: Select any four courses from the following list.
  Select 4: 12 hrs
    CNT 4403  Network Security and Privacy or 3 hrs
    CIS 4361  Secure Operating Systems and Administration or 3 hrs
    CIS 4615C  Secure Software Development and Assurance or 3 hrs
    CNT 4703C  Design and Implementation of Computer Communication Networks or 3 hrs
    CNT 4704  Analysis of Computer Communication Networks or 3 hrs
    COP 4600  Operating Systems or 3 hrs
    EEL 4781  Computer Communication Networks or 3 hrs

Foreign Language Requirements
- None
Total Semester Hours Required
- 18

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
Minors

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 ESL 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
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in social science as co-requisites
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for 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 (3 hrs)
- SYG 2000 Introduction to Sociology 3 hrs

Restricted Electives (15 hrs)

Restricted Upper Division Electives 12 hrs

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.

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

Minors

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 offered in the Department of Modern Languages.
- 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Sport Business Management (SPB) - Minor
College of Business Administration
DeVos 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 3834 Sports Event and Facility Management 3 hrs
- SPB 4504 Sport Business and Media 3 hrs
- GEB 4824 Business Law in Sport & Entertainment 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None
Minors

- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required courses can count toward another major or minor degree program.

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 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
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Technical Education and Industry Training - Minor

College of Education 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, 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

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum of 4 courses of the 6 required must be completed at UCF within the program of courses listed above.
- A grade of “C” (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education and Human Performance.

Technological 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 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.
Minors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- ENT 3613 Creativity and Entrepreneurship 3 hrs
- ENT 4013 New Venture Design 3 hrs
- ENT 4014 New Venture Implementation 3 hrs

Select 1
- DIG 3563 Information Management and Entrepreneurship or 3 hrs
- EGN 4641C Engineering Entrepreneurship 3 hrs
- ENT 4183 Technological Entrepreneurship or 3 hrs

1 Students admitted to the Launching the Venture program (details available at www.cel.ucf.edu) may substitute ENT 4948 Launching the Venture I and ENT 4949 Launching the Venture II for these required courses.

Restricted Electives (6 hrs)
- Students must select six credits from the courses listed below. Alternatively, this requirement can be fulfilled by design or innovation course sequences 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).

General Electives:
- DIG 3563 Information Management and Entrepreneurship 3 hrs
- EGN 4641C Engineering Entrepreneurship 3 hrs
- ENT 4183 Technological Entrepreneurship 3 hrs
- ENT 4503 Social Entrepreneurship 3 hrs
- ENT 4948 Launching the Venture I 3 hrs
- ENT 4949 Launching the Venture II 3 hrs

Select 2
- ENT 4014 New Venture Implementation 1 hr
- ENT 4942 Entrepreneurial Internship 3 hrs
- MAR 3765 Entrepreneurial Marketing 3 hrs

1 Students must apply for the Launching the Venture program in late spring and be admitted before being permitted to register for Launching the Venture I (fall) and Launching the Venture II (spring). Details for this program are available at www.cel.ucf.edu.

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).

Design or innovation course sequence examples
- EEL 4914 Senior Design I & EEL 4915L Senior Design II 6 hrs
- EML 4501C Engineering Design I & EML 4502C Engineering Design II 6 hrs
- DIG 4713C Game Design & DIG 4715C Game Production 6 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 12 hours used in the minor 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.

Terrorism Studies - Minor

College of Sciences

Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
Email: politics@ucf.edu
Dr. Paul Vasquez
Phone: 407-823-2608

Awareness of and knowledge about terrorism and counter-terrorism are increasingly essential in a variety of public and private sector organizations. Students in this minor will gain knowledge in competing ideologies that give rise to terrorism, coercive techniques in international affairs, global security management, and key aspects of American security policy. In addition to a core understanding of terrorism, the focus on a specific area of geographic or strategic interest will meet the market needs for individuals with substantive area knowledge. This minor program is available to students from varied disciplines to enhance their capability to address the threat of terrorism and understand how it might impact their own field.

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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 4076</td>
<td>Crime Intelligence and Investigative</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4416</td>
<td>Terrorism and Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3057</td>
<td>Contemporary Revolution and Political</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DSC 4013</td>
<td>Homeland Security and Criminal Justice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 3939H</td>
<td>ST: Honors Terrorism from a Global Perspective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4114</td>
<td>American Security Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4335</td>
<td>Coercion in International Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4364</td>
<td>The Intelligence Community</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4764</td>
<td>Cyberwarfare Policy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Minors

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 LAH 3400  History of Mexico and Central America  3 hrs
- CPO 3403  Politics of the Middle East and INR 4243  International Politics of Latin America and 3 hrs
- or
- TPA 2110C Acting I - Introduction and LAH 3400 History of Mexico and Central America  3 hrs

Other Requirements

- None

Total Semester Hours Required

- 18

Foreign Language Requirements

- None

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)

Minor Requirements

- None

Required Courses (21 hrs)

- Theatre Survey 3 hrs
- Greece to Grease: Development of Theatre 3 hrs
- Acting I - Introduction 3 hrs
- Introduction to Technical Theatre 2 hrs
- Theatre Participation-Production I 1 hr

Suggested Courses

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. Christopher Hawkins, christopher.hawkins@ucf.edu
Phone: 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 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

Required Courses (21 hrs)

- Urban and Regional Planning 3 hrs
- Information Systems for Public Managers and Planners 3 hrs
- Land Use and Planning 3 hrs
- Urban Design 3 hrs
- Community & Economic Development 3 hrs
- Issues in Environmental Program Management 3 hrs
- Issues in Urban Administration 3 hrs

Restricted Electives

- Students in the Minor program are strongly encouraged to take the following courses as electives to enhance their understanding of the field.
- Intergovernmental Administration 3 hrs
- Hazard Mitigation and Preparedness 3 hrs
- Emergency Management and Homeland Security 3 hrs

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.
Women's and Gender Studies - Minor
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, 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, 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 (12 hrs)
WST 3015 Introduction to Women's Studies 3 hrs
WST 3603 Introduction to Gender Studies 3 hrs

Select 2: 6 hrs
■ Select two courses from the Theories Group, one of which must be a WST prefixed course.
WST 3522 First and Second Wave Feminisms or 3 hrs
WST 3561 Third Wave Feminisms or 3 hrs
WST 3621 Theories of Masculinity or 3 hrs
WST 4415 Global and Transnational Feminism or 3 hrs
LIT 4554 Advanced Feminist Theories or 3 hrs
PHM 3020 Girl's Studies or 3 hrs
WST 3460 Women, Race and Struggle or 3 hrs
HUM 4823 Queer Theory in the Humanities or 3 hrs
HUM 3326 Theories of Sex and Gender in Humanities 3 hrs

Restricted Electives (6 hrs)
■ Students should complete at least one of their two Elective courses from outside their major. Students may count additional courses from the Theories Group as electives toward the minor. Students may use course substitutions, internships, independent study, or Special Topics credit toward the minor only with the approval of the program director. No more than one 2000-level course will count toward the minor.

Women's Studies Disciplinary Approaches
WST 3371 Women and Leadership 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

Women’s History
AMH 3561 Women in American History I 3 hrs
AMH 3562 Women in American History II 3 hrs
ASH 4304 Women in China 3 hrs
EUH 4610 Women in European Society: From Medieval to Modern 3 hrs

AM 4680 Women in American Science 3 hrs
JST 3510 Notable Women in Jewish History 3 hrs

Representations of Women
AML 3283 Contemporary American Women's Fiction 3 hrs
ARH 4871 Women in Art 3 hrs
COM 4014 Gender Issues in Communication 3 hrs
FIL 3880C Images of Women in Film 3 hrs
LIT 3383 Women in Literature 3 hrs
LIT 3823 Hispanic Women Writers 3 hrs
PHM 3022 Sexuality, Gender & Philosophy 3 hrs
LIT 3381 Women Writers of Color 3 hrs
AML 3286 Early American Women's Words 3 hrs
ENC 4374 Gendered Rhetorics 3 hrs
THE 3272 What a Drag: The Art of Transgender in Entertainment 3 hrs

Women’s Wellness
CLP 3184 Women’s Mental Health 3 hrs
NSP 4425 Women’s Health Issues 3 hrs
SOP 3742 Psychology of Women 3 hrs

Gender and Social Policy
ANT 3302 Sex, Gender and Culture 3 hrs
CCJ 4670 Women and Crime 3 hrs
CCJ 4681 Domestic Violence and the Justice System 3 hrs
CPO 4710 Women in Comparative Politics 3 hrs
INR 4085 Women, Gender, and Globalization 3 hrs
PUP 3325 Women and Political Behavior 3 hrs
PUP 4323 Women and Public Policy 3 hrs
SYD 4810 Women in Contemporary Society 3 hrs
SYD 4813 Women, Law and Social Change 3 hrs
SYO 4100 Family Trends 3 hrs
SYD 3800 Sex and Gender in Society 3 hrs
PHI 3629 Gender Issues 3 hrs
PHM 3020 Philosophy of Love 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, military credit) may be used.

World Comparative Studies - Minor
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 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 (3 hrs)
IDS 3333 World Comparative Studies 3 hrs

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Minors

Restricted Electives (15 hrs)

■ 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 advisor. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor 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.

   Economics
   ■ Any five upper division courses from the approved list may be used to satisfy the minor. At least 15 hours used in the minor must be earned at UCF.

   Biological and Geophysical Environment
   ■ Any of the courses below may be selected for this option with approval of the Interdisciplinary Studies advisors to be used in the minor.

   Social Structure and Change
   ■ Any five upper division courses from the approved list may be selected for this option with approval of the Interdisciplinary Studies advisors to be used in the minor.

   World Independent Specialization
   ■ Any five upper division courses from the approved list 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.

Other Requirements
■ A grade of “C” (2.0) or above 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, 352-536-2113

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.

Minor Requirements
■ Students should see an advisor prior to registering for classes. 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

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)
■ TSL 4943 L2 Academic Language Instruction (3 hrs)
■ TSL 4942 ESOL Field Experience (3 hrs)

Select 1:
■ TSL 4240 Issues in Second Language Acquisition or TSL 4945 ESOL Clinical Experience (3 hrs)

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Total Semester Hours Required
■ 18
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

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 ESL 3 hrs
- FLE 4333 Foreign Language Teaching in Schools 3 hrs
- FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- TSL 4943 L2 Academic Language Instruction 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

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. Stephanie Vie, Program Director, Stephanie.Vie@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)
- Students should take this core course as early in the program as possible.
  - 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

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 4376 Writing in Global and Transnational Contexts
  - 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 3584 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

http://writingandrhetoric.cah.ucf.edu/
Dr. Karen Verkler, Karen.Verkler@ucf.edu, 407-823-5235
Minors

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
1 SOW 4510 Field Education 9 hrs
2 SOW 4941 Internship 9 hrs
HSA 4941 Internship 3 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
SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs

Other Colleges 3 hrs
DEP 4364 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

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), 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 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 3 hrs
INR 2002 International Relations-Theory and Practice 3 hrs

Restricted Electives (9 hrs)
Students select 3 additional courses from the following list:

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
SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs

Other Colleges 3 hrs
DEP 4364 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

Universities of Central Florida
Certificates

INR 4075 Human Rights Policy 3 hrs
INR 4011 Politics of Globalization 3 hrs
INR 4085 Women, Gender, and Globalization 3 hrs
MGB 4278 Epidemiology of Infectious Diseases 3 hrs
PAF 4754 Interdisciplinary Leadership in Public Affairs 3 hrs
PUP 4602 Politics of Health 3 hrs
SYP 4454 Global Inequality and Society 3 hrs
SYO 4400 Medical Sociology 3 hrs
SYO 4401 Social Determinants of Health 3 hrs
SYO 4132 Global Family Trends 3 hrs
WST 3020 Girls' Studies 3 hrs
WST 4415 Global and Transnational Feminism 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Relevant Internship, Research, or Independent Study credit can be used to replace one elective course only with prior approval from the certificate advisor.
- One substitution for an Elective Course with another relevant course will only be allowed with prior approval from the certificate advisor.

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
Phone: 321-433-7982

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
  SYO 2000 Introduction to Sociology 3 hrs

Take all of the following: 6 hrs
- Complete both classes:
  PPE 3003 Personality Theory and Research
  SYP 3510 Sociology of Deviant Behavior 3 hrs

Required Courses (9 hrs)
- CLP 4390 Forensic Psychology 3 hrs
- SOP 3751 Legal Aspects of Psychology 3 hrs
- SYP 3520 Criminology 3 hrs

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 3 hrs
- CLP 3302 Clinical Psychology 3 hrs
- CLP 4134 Childhood Psychopathology 3 hrs
- PCD 4203 Interviewing and Counseling 3 hrs

Sociology: Select from the following: 6 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

Criminal Justice: Select from the following: 3 hrs
- CCJ 4012 Criminal Profiling in Criminal Justice 3 hrs
- CCJ 4530 Serial Murder and Criminal Justice 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CCJ 3024 Criminal Justice System 3 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
- CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs

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.

Prerequisite Courses
- None
## Certificates

### Civic Teaching - Certificate

**College of Sciences**  
**College of Education and Human Performance**  
**Department of Political Science**  
**School of Teaching, Learning, and Leadership**  
[http://polticalscience.cos.ucf.edu](http://polticalscience.cos.ucf.edu) &  
[http://education.ucf.edu](http://education.ucf.edu)  
**Email**: [politics@ucf.edu](mailto:politics@ucf.edu)  
**Email**: [socscied@ucf.edu](mailto:socscied@ucf.edu)  
Dr. Terri Susan Fine  
Dr. Scott Waring

The Civic Teaching certificate will provide pre-service teachers with complementary, civic teaching-focused coursework that will build on and enhance the Social Science Education B.S. program. Individuals enrolled in the Civic Teaching certificate program will learn the substantive content, skills and pedagogical tools needed to deliver instruction explicitly linked to the 7th grade Civic 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
- Applications must be submitted through the online portal available at [politicalscience.cos.ucf.edu](http://politicalscience.cos.ucf.edu), [education.ucf.edu/stll/](http://education.ucf.edu/stll/) and [loufreyinstitute.org](http://loufreyinstitute.org)
- 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 (12 hrs)
- **POS 4700** Teaching American Politics and Government 3 hrs
- **POS 3272** Civic Engagement 3 hrs
- **POS 4941** Political Science Internship 3 hrs
- **SSE 4323** Teaching Civics in Florida 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 program must be earned at UCF within the Department of Criminal Justice.
- No credit by exam (TSD, Military credit) may be used.

### Crime Analysis and Crime Mapping - Certificate

**College of Health and Public Affairs**  
**Department of Criminal Justice**,  
**Health and Public Affairs I, Room: 311**  
**Email**: [cjadvise@ucf.edu](mailto:cjadvise@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.

#### Prerequisite Courses
- There are no certificate program prerequisites; however individual courses may have prerequisites.

#### Required Courses (9 hrs)
- **CJE 3662** CJ Information Technology and Data Management 3 hrs
- **CJE 4663** Crime Mapping and Pattern Analysis 3 hrs
- **CCJ 4076** Crime Intelligence and Investigative Support Analysis 3 hrs

#### Restricted Electives (6 hrs)
- Select two of the following:
  - **CCJ 3451** Justice System Technology 3 hrs
  - **CJE 3444** Crime Prevention 3 hrs
  - **CJE 4654** Crime and Place 3 hrs
  - **CCJ 4550** The Criminal Justice Manager 3 hrs
  - **CJE 4352** Policy Development in Law Enforcement 3 hrs
  - **CJE 4572** Justice Agency Operations 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 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.
Certificates

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 4115C Archaeological Method and Theory 3 hrs
  - CCJ 4185 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
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Cultural Tourism - Certificate
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

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
  - HFT 3143 Guest Services Management I 3 hrs
  - HFT 3700 Tourism Management 3 hrs
  - HFT 4735 Tourism Geography 3 hrs
  - ANT 4303 Anthropology of Tourism 3 hrs

Restricted Electives (6 hrs)
- Choose two classes from one of the following areas:
African American Heritage area (choose two classes)
- AFA 3104  The Black Intellectual Experience  3 hrs
- AFA 4105  Documenting Africana Heritage and Life  3 hrs
- SYD 3700  Race and Ethnicity  3 hrs

Anthropology area (choose two classes)
- ANT 2140  Archaeology and the Rise of Human Culture  3 hrs
- ANT 3212  Peoples of the World  3 hrs
- ANT 2410  Cultural Anthropology: Global Perspectives, Local Contexts  3 hrs
- ANT 4115C  Archaeological Method and Theory  3 hrs
- ANT 3701  Engagement & Social Change: Public Anthropology  3 hrs

Environmental Tourism area (choose two classes)
- BOT 3152C  Local Flora  3 hrs
- PCB 3442  Aquatic Ecology  3 hrs
- INR 4351  International Environmental Law  3 hrs
- PUP 3203  Environmental Politics  3 hrs
- PUP 3204  Sustainability  3 hrs
- SYD 4510  Environment and Society  3 hrs

Latin American area (choose two classes)
- ANT 3163  Mesoamerican Archaeology  3 hrs
- ANT 3168  Maya Archaeology  3 hrs
- ANT 4332  People and Cultures of Latin America  3 hrs
- ANT 4340  Caribbean Cultures  3 hrs
- ARH 4653  Meso American Art  3 hrs
- CPO 4303  Comparative Latin American Politics  3 hrs
- LAH 3400  History of Mexico and Central America  3 hrs
- LAH 3470  History of the Caribbean  3 hrs
- LAH 3130  Latin American History I  3 hrs
- LAH 3200  Modern Latin America  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned only at the time of degree completion.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director.

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 (36 hrs)
- COP 3503C  Computer Science II  3 hrs
- COT 4210  Discrete Structures II  3 hrs
- CIS 3360  Security in Computing  3 hrs
- CIS 3362  Cryptography and Information Security  3 hrs
- CIS 4615C  Secure Software Development and Assurance  3 hrs
- CIS 4940C  Topics in Cybersecurity  3 hrs

Select 1: 3 hrs
- COP 3223C  Introduction to Programming with C or
- EGN 3211  Engineering Analysis and Computation  3 hrs

Select 1: 3 hrs
- COT 3100C  Introduction to Discrete Structures or
- MAD 2104  Foundations of Discrete Math  3 hrs

Select 1: 3 hrs
- COP 4600  Operating Systems or
- GCS 3763  Operating System Concepts  3 hrs

Select 1: 3 hrs
- CNT 4704  Analysis of Computer Communication Networks or
- EEL 4781  Computer Communication Networks  3 hrs

Select 1: 3 hrs
- PLA 4583  Cyber Law I or
- PLA 5587  Current Issues in Cyberlaw  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  3 hrs
- or
- GCS 3269  Computer Architecture Concepts  3 hrs

Restricted Electives (9 hrs)
- CAP 3104  Foundations of HCI  3 hrs
- CIS 4524  Managing IT Integration  3 hrs
- CNT 4714  Enterprise Computing  3 hrs
- COP 3402  Systems Software  3 hrs
- GCS 5131  Computer Forensics I: Seizure and Examination of Computer Systems  3 hrs
- EEE 4346C  Hardware Security and Trusted Circuit Design  3 hrs
- EEL 4742C  Embedded Systems  4 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
- 45

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
Dr. J. Sacher, John.Sacher@ucf.edu, 407-823-5501

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.
Certificates

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: 1914-1945 or 3 hrs
- INR 4054 Global Politics of Energy 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 4104 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- INR 4401 International Law or 3 hrs
- INR 4402 International Organizations or 3 hrs
- INR 4714 International Trade Law 3 hrs

Restricted Electives (6 hrs)
- Select two courses from the following list: 6 hrs
- AMH 4512 US Diplomatic History: 1914-1945 or 3 hrs
- EUH 4620 European Great Powers: 1815-1914 or 3 hrs
- INR 4054 Global Politics of Energy 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 4104 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- INR 4401 International Law or 3 hrs
- INR 4402 International Organizations or 3 hrs
- INR 4714 International Trade Law 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- 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.

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)
- Discipline specific design course in engineering or Computer Science 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 2 of the following courses 6 hrs
- ENT 4183 Technological Entrepreneurship or 3 hrs
- EGS 4624 Engineering Innovation and Leadership or 3 hrs
- MAR 3391 Professional Selling 3 hrs

Restricted Electives
- 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
Email: Dr. Cameron Ford, cford@ucf.edu
Phone: 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 startups and new ventures.

Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
1 ENT 4013 New Venture Design 3 hrs
1 ENT 4014 New Venture Implementation 3 hrs

1 Students admitted to the Launching the Venture program (details available at www.cel.ucf.edu) may substitute ENT 4948 Launching the Venture I and ENT 4949 Launching the Venture II for these required courses.

Restricted Electives (6 hrs)
Select 2: 6 hrs
- ENT 3903 Creativity and Entrepreneurship 3 hrs
- ENT 4183 Technological Entrepreneurship 3 hrs
- ENT 4948 Launching the Venture I 3 hrs
- ENT 4949 Launching the Venture II 3 hrs
- ENT 4946 Directed Independent Study 3 hrs
- ENT 4942 Entrepreneurial Internship 3 hrs
- MAR 3407 Contemporary Selling 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 Students must apply for the Launching the Venture program in late spring and be admitted before being permitted to register for Launching the Venture I (fall) and Launching the Venture II (spring). Details for this program are available at http://www.cel.ucf.edu.
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 at only 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
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 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 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
- 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: 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.

Prerequisite Courses
■ None

Required Courses
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- MAR 3391 Professional Selling or 3 hrs
- FIN 4941 Finance Internship 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ 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 3603 Introduction to Gender Studies 3 hrs

Recommended Electives (9 hrs)
- Students can select from the restricted electives listed for a total of 9 hours.
- WST 3621 Theories of Masculinity 3 hrs
- WST 3500 Gender Issues and Community Activism 3 hrs
- WST 4002 Research in Women and Gender Studies 3 hrs
- HUM 4823 Queer Theory in the Humanities 3 hrs
- HUM 3326 Theories of Sex and Gender in Humanities 3 hrs
- ENC 4374 Gendered Rhetorics 3 hrs
- THE 3272 What a Drag: The Art of Transgender in Entertainment 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- ANT 3302 Sex, Gender and Culture 3 hrs
- SYD 3800 Sex and Gender in Society 3 hrs
- WST 4941 Internship 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy 3 hrs
- Internship required by a student's major degree program may count for credit toward the certificate, if placement is substantively related to gender 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.

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)
- COM 3022 Health Communication 3 hrs
- COM 4550 Health Communication Campaigns 3 hrs
- MMC 2004 Mass Media 3 hrs
- PUR 4000 Public Relations 3 hrs

Restricted Electives (3 hrs)

Choose from the following: 3 hrs
- 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.

Human Biology - Certificate
College of Sciences
Department of Anthropology
http://cos.ucf.edu/anthropology
Department of 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

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.
- Students must select and meet with a certificate advisor in either the Anthropology or Biology department.

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Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (7 hrs)
- ANT 2511 The Human Species 3 hrs
- BSC 2011C Biology I 4 hrs

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
  - 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

Restricted Electives Group B:
- Biology Majors select four courses from the list below:
  - ANT 4115C Archaeological Method and Theory 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3550C Primatology 3 hrs
  - ANT 4027 Mummies, Life After Death 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs
  - ANT 4467 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - ANT 4525C Human Osteology 4 hrs
  - ANT 4586C Human Origins 3 hrs

Restricted Electives Group C:
- Biomedical Sciences Majors select four courses from the list below:
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3550C Primatology 3 hrs
  - ANT 4027 Mummies, Life After Death 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs
  - ANT 4467 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - ANT 4525C Human Osteology 4 hrs
  - ANT 4586C Human Origins 3 hrs
  - PCB 4683 Evolutionary Biology 4 hrs
  - ZOO 4513 Animal Behavior 3 hrs
  - ZOO 3713C Comparative Vertebrate Anatomy 5 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.

Certificates

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 Schafer, 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 4083 War and Violent Politics 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 4224 Contemporary International Politics of Asia 3 hrs
INR 4333 International Security 3 hrs
INR 4335 Coercion in International Politics 3 hrs
INR 4744 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
Certificates

Total Semester Hours Required

- 12

Other Requirements

- None

Judaic Studies - Certificate

College of Arts and Humanities

Program in Judaic Studies,

Colbourn Hall, Room: 415 E-J

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

Email: judaicst@ucf.edu

TBD, 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. 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)

<table>
<thead>
<tr>
<th>Language</th>
<th>Required Courses</th>
<th>(15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBR 1120</td>
<td>Elementary Modern Hebrew Language and Culture I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HBR 1121</td>
<td>Elementary Modern Hebrew Language and Culture II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HBR 2200</td>
<td>Intermediate Modern Hebrew I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 2201</td>
<td>Intermediate Modern Hebrew II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 3250</td>
<td>Biblical Hebrew</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 3410</td>
<td>Conversational Israeli Hebrew</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Jewish History

- JST 3401: Jewish People in Antiquity | 3 hrs
- JST 3402: Wanderings: The Jewish People in Dispersion | 3 hrs
- JST 3481: 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 3210: Kabbalah: Jewish Mysticism | 3 hrs
- JST 3620: Contemporary Jewish Ethics and Morality | 3 hrs

Culture

- JST 3460: 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.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- 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: csundergraduate@ucf.edu

Dr. Cecyle Carson, Undergraduate Program Coordinator

Phone: 407-823-4798

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)

<table>
<thead>
<tr>
<th>Language</th>
<th>Required Courses</th>
<th>(11 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 3713</td>
<td>Language Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3716L</td>
<td>Language Development Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>LIN 3716</td>
<td>Language Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4400</td>
<td>Language Disorders Across the Life Span</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 11

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.
Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- Foundation Requirement 4 hrs
  - LDR 2001 Foundations of Leadership 2 hrs
  - LDR 2002 Intermediate Foundations of Leadership 2 hrs

Restricted Requirements 9 hrs
- Choose one course from three of the areas below:

<table>
<thead>
<tr>
<th>Communication</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3011C Communication and Human Relations</td>
<td></td>
</tr>
<tr>
<td>COM 3120 Organizational Communication</td>
<td></td>
</tr>
<tr>
<td>COM 4461 Intercultural Communication</td>
<td></td>
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<tr>
<td>COM 4462 Conflict Management</td>
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</table>

<table>
<thead>
<tr>
<th>Collaboration</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>INP 3004 Industrial/Organizational Psychology</td>
<td></td>
</tr>
<tr>
<td>INP 4313 Organizational Psychology</td>
<td></td>
</tr>
<tr>
<td>MAN 4240 Organizations: Theory and Behavior</td>
<td></td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
<td></td>
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<tr>
<td>SPC 4426 Group Dynamics</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Social Relations and Culture</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3541 Biobehavioral Anthropology</td>
<td></td>
</tr>
<tr>
<td>CLP 3143 Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td>COM 4461 Intercultural Communication</td>
<td></td>
</tr>
<tr>
<td>EXP 3304 Motivation</td>
<td></td>
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<tr>
<td>SOP 3004 Social Psychology</td>
<td></td>
</tr>
<tr>
<td>SOP 3723 Cross Cultural Psychology</td>
<td></td>
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<tr>
<td>SOP 3742 Psychology of Women</td>
<td></td>
</tr>
<tr>
<td>SOP 3784 Psychology of Diversity</td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th>Politics</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3003 Public Administration in American Society</td>
<td></td>
</tr>
<tr>
<td>PAD 4104 Administrative Theory</td>
<td></td>
</tr>
<tr>
<td>PAD 4144 Nonprofit Organizations</td>
<td></td>
</tr>
<tr>
<td>PAF 4754 Interdisciplinary Leadership in Public Affairs</td>
<td></td>
</tr>
<tr>
<td>POS 3413 The American Presidency</td>
<td></td>
</tr>
<tr>
<td>POS 4206 Political Psychology</td>
<td></td>
</tr>
<tr>
<td>PUP 3325 Women and Political Behavior</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ethics</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130 Legal and Ethical Environment of Business</td>
<td></td>
</tr>
<tr>
<td>EDF 3601 Professional Ethics in Education</td>
<td></td>
</tr>
<tr>
<td>PAD 3040 Ethics and Values in Public Administration</td>
<td></td>
</tr>
<tr>
<td>PHI 2108 Critical Thinking</td>
<td></td>
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<tr>
<td>PHI 3640 Environmental Ethics</td>
<td></td>
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</tbody>
</table>

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. Rosalyn Howard, 407-823-2227

The Departments of Anthropology, History, English, Political Science, and Latin American Studies offer courses that support this Certificate. Significantly, this Certificate will provide an alternative to students majoring in Anthropology who wish to focus on Native American Studies but who are precluded from taking the Minor in the North American Indian Studies Program since it is administered in the Department of Anthropology. This certificate program will expand the study of Native peoples who reside in other regions of the Americas currently not covered by the North American Indian Studies program. This Certificate is appropriate for all UCF undergraduates.

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.

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 (9 hrs) |
  |--------------------------|--------------------------|
  | ANT 3158 Florida Archaeology | 3 hrs |
  | AMH 3441 History of the Frontier: Eastern America | 3 hrs |
  | AMH 2010 U.S. History: 1842-1877 | 3 hrs |
  | AMH 2020 U.S. History: 1877-Present | 3 hrs |

  | Restricted Electives (6 hrs) |
  |-----------------------------|-----------------------------|
  | AMH 3580 North American Indians | 3 hrs |
  | AMH 3312 Ethnology of North American Indians | 3 hrs |
  | ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest | 3 hrs |
  | ANT 3158 Florida Archaeology | 3 hrs |
Certificates

ANT 3160 Americas Before Columbus 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 3311 Indians of the Southeastern United States 3 hrs
ANT 3398 Black/Seminole Relations 3 hrs
ANT 4332 People and Cultures of Latin America 3 hrs
CPO 4794 Native American Politics 3 hrs
POS 3076 American Indian Politics 3 hrs

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.

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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4144</td>
<td>Nonprofit Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4148</td>
<td>Volunteer Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4147</td>
<td>Resource Development in the Nonprofit Sector</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4325</td>
<td>Program Evaluation for Public and Nonprofit Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4153</td>
<td>Planning and Improvement for Public Organizations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (3 hrs)

■ See advisor for approved courses

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 18

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 Hall, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/
Dr. Stephanie Vie, Program Director, stephanie.vie@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 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3314</td>
<td>Writing and Rhetoric Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3250</td>
<td>Professional Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4212</td>
<td>Professional Editing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3673</td>
<td>Rhetorical Grammar</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

■ 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
Certificates

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:
  - CJJE 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.

Service-Learning - Certificate

College of Undergraduate Studies

Office of Experiential Learning, CSEL, Suite 300
http://www.explearning.ucf.edu
A. Zeh, Amy.Zeh@ucf.edu, 407-823-2667

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. Since this certificate requires the completion of four SL courses, it reflects significant interest and commitment to this process. This certificate is open to all undergraduate and graduate students in any major.

Certificate Admission Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- DSC 4013 Homeland Security and Criminal Justice 3 hrs
- DSC 4012 Terrorism 3 hrs
- SCC 3316 Special Security Problems 3 hrs
- CJT 3821 Practical Security Applications 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:
  - CJJE 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
- 12

Other Requirements
- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

Spanish for Health Professionals - Certificate

College of Arts and Humanities

Department of Modern Languages and Literatures,
Colburn Hall, Room: 523
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)
- HSC 3110 Medical Self Assessment 3 hrs
- SPN 4410 Advanced Spanish Conversation 3 hrs
- SPT 3809 Medical Spanish Translation/Interpretation 3 hrs

Select one of the following upper division courses: 3 hrs
- Spanish courses:
  - SPN 3344 Advanced Spanish Native Fluency I 3 hrs
  - SPN 3345 Advanced Spanish Native Fluency II 3 hrs

Restricted Electives (6 hrs)
- Select one of the following Health Sciences upper division courses: 3 hrs
  - 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 4558 Pathophysiology II or 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the certificate.
- All 15 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Independent study and substitute courses/new courses are allowed at the director’s discretion.

Spanish for the Legal World - Certificate

College of Arts and Humanities

Department of Modern Languages and Literatures,
Colburn Hall, Room: 523
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.
Certificates

Prerequisite Courses
- None

Required Courses (9 hrs)
- PLA 3014 Law and the Legal System 3 hrs
- SPN 4410 Advanced Spanish Conversation 3 hrs
- SPT 3831 Spanish Legal Translation and Interpretation 3 hrs

Restricted Electives (6 hrs)
- Select one of the following Public Affairs upper division courses 3 hrs
  - PLA 3306 Criminal Law or
  - PLA 4020 Law and Society

- Select one of the following Spanish upper division courses 3 hrs
  - SPN 3344 Advanced Spanish Native Fluency I
  - SPN 3345 Advanced Spanish Native Fluency II

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used.
- Transfer credits from other universities will be considered.
- At least 6 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education and Human Performance.

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. K. Folse, 407-823-4555
Phone: 407-823-2472

Certificates will be awarded only at time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements (12 hrs)
- 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.
- All 12 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

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
- None

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

Restrict Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 9
Certificates

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 grade of “C” (2.0) or better is required in all courses used to satisfy the certificate.
■ At least 12 hours used in the certificate must be earned at UCF within the Department.
■ Independent Study or Co-op credit cannot be used toward the certificate.
■ No credit by exam (TSD, Military credit) may be used.
■ Satisfactory completion of translation and interpretation exit exam.

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

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.
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.BM.E.)

College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering, Room: 381
http://www.mae.ucf.edu
Email: mmaeugrad@ucf.edu

Dr. Jihua Gou, jihua.gou@ucf.edu, 407-823-2155
Dr. Hyoun 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

1. UCF General Education Program (GEP) (38 hrs)
- See Aerospace Engineering major in catalog for 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 Aerospace Engineering major in catalog for 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 core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.

EGN 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
EAS 4200 Analysis & Design of Aerospace Structures 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

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 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.
- Please Note: The Accelerated B.S. to M.S. Program allows students to complete a maximum of 12 credit hours of Graduate level course work for technical elective credit.

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 Requirements

Admissions
- 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.
Accelerated Undergraduate-Graduate Programs

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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/csd
Email: csdundergraduate@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.
- A 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: 3 hrs
   - Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I (3 hrs)

   Suggested STA 2014C Principles of Statistics (3 hrs)

D: Social Foundations (6 hrs)
   - Suggested PSY 2012 General Psychology (3 hrs)

   Select 1: 3 hrs
   - Suggested ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics (3 hrs)

   Suggested POS 2041 American National Government (3 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 GEP
   - PSY 2012 General Psychology GEP
   - Any BSC course or ANT 2511 GEP
   - PHY, PSC or CHM GEP

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: 3 hrs
   - EAB 3703 Principles of Behavior Modification or EEX 4601 Introduction to Behavior Management (4 hrs)
   - EEC 4604 Classroom Management and Guidance of Young Children (3 hrs)
   - EDF 3303 Learning Environments and Guidance for Young Children (3 hrs)
   - SPA 3472 Guidance of Young Children with Communication Disorders or EEX 4350 Young Children With Special Needs or EEX 4070 Teaching Exceptional Students (3 hrs)

Statistics Requirement 6 hrs

Option 1: 6 hrs
   - STA 2023 Statistical Methods I and STA 4163 Statistical Methods II (3 hrs)

Option 2: 6 hrs
   - STA 2014C Principles of Statistics and 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
Accelerated Undergraduate-Graduate 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. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. 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 Code</th>
<th>Course 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 6496</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

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: $17.50 per term
- Full-Time Student: $35 per term

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
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGS 1006C Introduction to the Engineering Profession 1 hr

4. Core Requirements: Advanced Level (57 hrs)

Courses Required for the Engineering Core 6 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 48 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 3 hrs

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Accelerated Undergraduate-Graduate Programs

University of Central Florida

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.oias.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. Shaojie Zhang, shzhang@cs.ucf.edu
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.

COP 3330 Object Oriented Programming 3 hrs
COP 4331C Processes for Object-Oriented Software 3 hrs
EECE 3211 Electrical Networks 3 hrs
EECE 3212 Networks and Systems 4 hrs
EECE 3213 Electronics I 4 hrs
EECE 3214 Digital Systems 3 hrs
EECE 3215 Computer Organization 3 hrs
EECE 3216 Embedded Systems 4 hrs
EECE 3217 Computer Architecture 3 hrs
EECE 3218 Computer Communication Networks 3 hrs
COP 4200 Operating Systems 3 hrs
EECE 3219 Engineering Analysis and Computation 3 hrs

1 A “C” (2.0) or better is required in this course.

5. Restricted Electives (9 hrs)
- 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.

6. Capstone Requirements (6 hrs)
- EEL 4914 Senior Design I 3 hrs
- EEL 4915 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
- 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
Accelerated Undergraduate-Graduate Programs

3. Core Requirements: Basic Level (24 hrs)
- STA 2023 Statistical Methods I \( 3 \) hrs
- COP 3330 Object Oriented Programming \( 3 \) hrs
- COP 3002C Computer Science I \( 3 \) hrs
- COP 3003C 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 3960 CS Foundation Exam \( 0 \) hrs

Select 1: \( 3 \) hrs
- ENC 3241 Writing for the Technical Professional or
- ENC 3250 Professional Writing \( 3 \) hrs

4. Core Requirements: Advanced Level (21 hrs)
- A “C” (2.0) or better is required in all courses listed.

Students must maintain at least a 2.5 GPA in the following courses.
- COP 4331C Processes for Object-Oriented Software Development \( 3 \) hrs
- EEL 4768 Computer Architecture \( 3 \) hrs
- COT 4210 Discrete Structures II \( 3 \) hrs
- COP 4020 Programming Languages I \( 3 \) hrs
- COP 4600 Operating Systems \( 3 \) hrs
- COP 4934 Senior Design I \( 3 \) hrs
- COP 4935 Senior Design II \( 3 \) hrs

5. Restricted Electives (15 hrs)
- 5000 level Computer Science courses \( 9 \) hrs
- At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

4000-5000 level mathematics or statistics \( 6 \) hrs
- courses from: STA, MAP, MAA, MAD, MAS prefixes and 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
- None

7. Foreign Language Requirements

Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science. This requirement is waived for second degree seeking students.

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
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology

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 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.

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: $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: eecep-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.
### Accelerated Undergraduate-Graduate Programs

#### 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.

<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>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level (53 hrs)

##### Engineering Core: Advanced 9 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- PHY 3101 General Physics Using Calculus III 3 hrs

#### Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

##### Courses Required for the Major 44 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 EEL 3004C</td>
<td>Electrical Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEL 3123C</td>
<td>Networks and Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 EEE 3350</td>
<td>Semiconductor Devices I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEE 3307C</td>
<td>Electronics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 EEE 3342C</td>
<td>Digital Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEL 3470</td>
<td>Electromagnetic Fields</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEL 3552C</td>
<td>Analog and Digital Communication Fundamentals</td>
<td>4 hrs</td>
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3657</td>
<td>Linear Control Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEL 3801C</td>
<td>Computer Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 4590C</td>
<td>Electronics II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4742C</td>
<td>Embedded Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 EGN 3211</td>
<td>Engineering Analysis and Computation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. A “C” (2.0) or better is required in this course.

#### 5. Restricted Electives (10 hrs)
- Technical electives should be taken at the 5000 level and 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 which are approved technical electives and the terms when specific courses of this type are to be offered.

#### 6. Capstone Requirements (6 hrs)
- EEL 4915L Senior Design II 3 hrs
- EEL 4914 Senior Design I 3 hrs

#### 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.

#### Admissions
- None

#### Graduation
- None

#### 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.
- 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.

#### Graduate Courses Link
- 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term
Accelerated Undergraduate-Graduate Programs

History - Accelerated Undergraduate-Graduate Program (B.A / M.A)
College of Arts and Humanities
Department of History, Colbourn 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.

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.
- 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.
   - Computer competency met by completion of the major.
12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 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
None
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.oead.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.lems.ucf.edu/
Dr. William Thompson, william.thompson@ucf.edu, 407-823-2636
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 of 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 (59 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.
   - EIN 2002 Introduction to Industrial Engineering and Management Systems 1 hr
   - 1 COP Introduction to Programming with C 3 hrs
   - 3223C Engineering Analysis-Statics 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - EGN 3373 Principles of Electrical Engineering 3 hrs
   - 2 EIN 5108 The Environment of Technical Organizations 3 hrs
   - STA 3032 Probability and Statistics for Engineers GEP
   - MAS 3105 Matrix and Linear Algebra 4 hrs
   - EIN 3314 Work Analysis and Design 3 hrs
   - EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs
   - ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
   - ESI 4234 Quality Engineering 3 hrs
   - EIN 4243C Human Engineering 3 hrs
   - EIN 4333 Production and Distribution Systems 3 hrs
   - EIN 4364 Facilities Planning 3 hrs
Accelerated Undergraduate-Graduate Programs

EIN 4391 Manufacturing Engineering 3 hrs
EIN 4517 Systems Engineering 3 hrs
EIS 4628 Decision Support Systems for Industrial Engineers 3 hrs
ESI 5306 Operations Research 3 hrs
ESI 5531 Discrete Systems Simulation 3 hrs

Select 1: 3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs
EGN 3334 Thermodynamics 3 hrs

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.

1. UCF General Education Program (GEP) (38 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)

3. Core Requirements: Basic Level (2 hrs)

 EG1007C Engineering Concepts and Methods 1 hr
 EGN 1007C Introduction to the Engineering Profession 1 hr

4. Electives

5. Capstone Requirements

6. Additional Requirements

7. Required Minors

8. Restricted Electives (6 hrs)

9. Related Minors

10. Required Minors

11. Additional Requirements

12. Departmental Exit Requirements (4 hrs)

13. University Minimum Exit Requirements

14. Honors in Major

15. Related Programs

16. Certificates

17. Advising Notes

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.

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 MSBM program.

Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements

1. UCF General Education Program (GEP) (38 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)

3. Core Requirements: Basic Level (2 hrs)

4. Electives
### 4. Core Requirements: Advanced Level (63 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>EGN 3385</td>
<td>Structure and Properties of 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>EML 3034C</td>
<td>Modeling Methods in Mechanical and Aerospace Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3303C</td>
<td>Mechanical Engineering Measures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics</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>
<tr>
<td>EGN 3321</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 3500</td>
<td>Design and Analysis of Machine Components</td>
<td>3 hrs</td>
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</table>

#### Select 2 of the Following: 6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3101</td>
<td>Thermodynamics of Mechanical Systems or Controls</td>
</tr>
<tr>
<td>EML 4143</td>
<td>Heat Transfer I or Controls</td>
</tr>
<tr>
<td>EML 4313</td>
<td>Intermediate System Dynamics and Controls</td>
</tr>
<tr>
<td>EML 4703</td>
<td>Fluid Mechanics II or</td>
</tr>
<tr>
<td>EML 4504</td>
<td>Design &amp; Analysis of Machine Components II</td>
</tr>
</tbody>
</table>

#### Select 1 of the Following: 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4301C</td>
<td>Mechanical Systems Lab or</td>
</tr>
<tr>
<td>EML 4306C</td>
<td>Energy Systems Lab</td>
</tr>
</tbody>
</table>

### 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 the approved restricted 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I</td>
</tr>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II</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.

#### Admissions

- None

#### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3933</td>
<td>Mechanical Career and Academic Faculty</td>
</tr>
<tr>
<td>EML 4931</td>
<td>Mechanical Career and Academic Faculty</td>
</tr>
</tbody>
</table>

#### 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](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.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.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](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.
Accelerated Undergraduate-Graduate Programs

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/](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 2.5 and a minimum 2.5 GPA in the nursing major to be eligible for admittance into 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/](http://www.nursing.ucf.edu/).
- At least seven (7) of the eight (8) common program prerequisites must be completed by the program admission 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)
   A: Communication Foundations
   B: Cultural & Historical Foundations
   C: Mathematical Foundations
   D: Social Foundations
   E: 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.

Select 1: 3 hrs
- STA 214C Principles of Statistics or STA 2023 Statistical Methods I

Select 1: 3 hrs
- SOW 3104 Human Behavior and the Social Environment I or DEP 2004 Developmental Psychology

Select 1: 3 hrs
- PSY 2012 General Psychology or SYG 2000 Introduction to Sociology

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 Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<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 3028</td>
<td>Essentials of Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3616</td>
<td>Health Promotion Across the Lifespan</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3616L</td>
<td>Health Promotion Across the Lifespan</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 3145</td>
<td>Pharmacology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3223</td>
<td>Nursing Care of the Adult I</td>
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</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical</td>
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<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
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<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II: Clinical</td>
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<tr>
<td>NUR 4629</td>
<td>Accelerated Transitioning into Professional Practice as a Leader</td>
<td>3 hrs</td>
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<tr>
<td>NUR 4257</td>
<td>Introduction to Critical Care Nursing</td>
<td>3 hrs</td>
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<tr>
<td>NUR 4945L</td>
<td>Nursing Practicum</td>
<td>4 hrs</td>
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<td>NUR 4535</td>
<td>Psychiatric Mental Health</td>
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<td>NUR 4535L</td>
<td>Psychiatric Mental Health Clinical</td>
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<td>NUR 4637</td>
<td>Public and Community Health Nursing</td>
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<td>NUR 4637L</td>
<td>Public Health Nursing Clinical</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3167</td>
<td>Accelerated Nursing Research Seminar</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

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 an approved general chemistry course (3 hrs) or an 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 or a Microbiology course 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)

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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - R.N. to M.S.N. Option (B.S.N./M.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu/
Email: ucfnurse@ucf.edu
Dr. Stephen Heglund, RN to MSN Coordinator
Dr. Mary Lou Sole, Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Phone: 407-823-2744

An accelerated program culminating in the Bachelor’s degree while preparing the student who applies for and is accepted to graduate studies. Available MSN tracks include Nursing Leadership & Management, Nursing Education, and Nurse Practitioner. A separate application to Graduate Studies is required to continue beyond the Bachelor’s degree. Admission to graduate studies is limited access and not guaranteed. Nine graduate level credit hours from the RN to MSN program are applied to both the BSN and MSN degrees. Most classes are available online. In person attendance is required for NGR 5003L.

Admission Requirements
- Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at http://www.nursing.ucf.edu for application materials.

All applicants must meet the following criteria:
- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida College System institution.
- Minimum prerequisites for the RN to BSN nursing program
- Completion of prerequisites for the RN to BSN nursing program

Interim Requirements:
- Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Program Phase:
- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies Web site for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0

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 AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
Accelerated Undergraduate-Graduate Programs

The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.

- UCF Residency Requirement: 30 hours
- The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements.
- The MSN is awarded after completion of graduate program.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.
- An individualized plan of study is developed for each student admitted to the RN to MSN option.

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 MAC 1105C College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - SYG 2000 Introduction to Sociology or
  - PSY 2012 General Psychology 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer ECO 2013 Principles of Macroeconomics or
  - Prefer ECO 2023 Principles of Microeconomics or
  - Prefer POS 2041 American National Government 3 hrs

1 One of these courses is required to meet General Education requirements.

E: Science Foundations (7 hrs)
- Suggested BSC 2010C Biology I 4 hrs
- 1 Required CHM 1032 General Chemistry 3 hrs

1 or other approved science. 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 needed as a course prerequisite for Nutrition (HUN 3011), Physiology, and Microbiology

2. Common Program Prerequisites (CPP) (18 hrs)

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

- MCB 2004C Microbiology for Health Professionals 4 hrs
- 1 CHM 1032 General Chemistry GEP
- 2 ZOO Human Anatomy 4 hrs
- 3733C
- 2 PCB 3703C Human Physiology 4 hrs
- HUN 3011 Human Nutrition 3 hrs

Select 1:
- 2 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 2012 General Psychology or
- SYG 2000 Introduction to Sociology GEP

1 Or other approved science. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

2 May take Anatomy and Physiology sequence of six-eight total credits.

3 Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level (30 hrs)

NUR 3616 Health Promotion Across the Lifespan 2 hrs
NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
NUR 3165 Nursing Research 3 hrs
NUR 4637 Health Care Issues, Policy, and Economics 3 hrs
NUR 4604L Practicum in Community and Public Health 4 hrs
NUR 4637 Public and Community Health Nursing 3 hrs

NURSE EDUCATOR / CLINICAL NURSE \( 12 \) hrs

LEADER TRACKS
- Takes the following 12 credits (nine graduate credits also applied to MSN)
NUR 5003 Advanced Health Assessment and Diagnostic Reasoning 2 hrs
1 NUR 5003L Advanced Health Assessment and Diagnostic Reasoning (Lab) and
NUR 5141 Pathophysiological Bases for Advanced Nursing Practice and
NUR 4828 Nursing Leadership, Management and Role 3 hrs
NUR 4837 Nursing Leadership, Management and Role 3 hrs
NUR 5800 Theory for Advanced Practice Nursing 3 hrs

NURSING LEADERSHIP & MANAGEMENT \( 12 \) hrs

TRACK
- Takes the following 12 credits (nine graduate credits also applied to MSN)
NUR 5723 Organizational Dynamics and 3 hrs
NUR 5671 Health Care Informatics and 3 hrs
NUR 5800 Theory for Advanced Practice Nursing and 3 hrs
NUR 3065 Health Assessment and 2 hrs
NUR 3065L Health Assessment Lab 1 hr

1 On campus attendance required.

5. Restricted Electives

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 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 3755L Essentials of Nursing Practice 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

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).

Graduation
- None

8. Electives
- Variable to meet degree requirements.

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.

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “B” (3.0) or better
- Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above
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 Undergraduate Hours Required
- 120

Honors In Major
- Contact CON HIM Advisor or Program Coordinator

Related Programs
- Health Services Administration

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

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.oeas.ucf.edu/acl/academic_learning_compacts.htm

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

http://www.cohpa.ucf.edu/legalstudies/index.shtml

Email: legalstudies@ucf.edu

Dr. David Slaughter, Program Coordinator
Rupert Neish II, Program Academic Advisor
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.
- 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.
- 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
Accelerated Undergraduate-Graduate Programs

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 pursing 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 "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 620 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
- 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.oeas.ucf.edu/alc/academic_learning_compacts.htm
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 2000 or later for Criminal Justice) 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. 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.

A. UCF General Education Program (GEP) (36 hrs)

1. 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)

B. Core Program Prerequisites (CPP)

   1. Core Requirements: Basic Level (9 hrs)

      Select 1:
      BUL 3130 Legal and Ethical Environment of Business 3 hrs
      or
      PLA 3014 Law and the Legal System 3 hrs

      Select 1:
      ENC 3241 Writing for the Technical Professional 3 hrs
      or
      ENC 3250 Professional Writing 3 hrs

      Select 1:
      MAN 3025 Management of Organizations 3 hrs
      or
      PAD 4104 Administrative Theory 3 hrs

   2. Restricted Electives (Not available at all locations)

   3. Area of Concentration (Choose one)

   4. Core Requirements: Advanced Level

      None

   5. Restricted Electives

      None

   6. Area of Concentration (Choose one)

   7. All tracks are not available at all locations.
### Articulated A.S. Programs

<table>
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<tr>
<th>Criminal Justice Track</th>
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<tr>
<td><strong>Take all of the following:</strong></td>
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<tr>
<td>CCJ 3024</td>
<td>Criminal Justice System and</td>
</tr>
<tr>
<td>CCJ 3014</td>
<td>Crime in America and</td>
</tr>
<tr>
<td>CJE 3510</td>
<td>Prosecution and Adjudication and</td>
</tr>
<tr>
<td>CJC 3010</td>
<td>Corrections and Penology and</td>
</tr>
<tr>
<td>CJE 4014</td>
<td>Police and Society and</td>
</tr>
<tr>
<td>CCJ 4701</td>
<td>Research Methods in Criminal Justice and</td>
</tr>
<tr>
<td>CCJ 4746</td>
<td>Data Analysis for Criminal Justice</td>
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Select 4: 12 hrs

Twelve additional hours of CCJ, CJC, CJE, CIL, or CJT courses, selected with the aid of an academic advisor.

<table>
<thead>
<tr>
<th>Legal Studies Track</th>
<th>18 hrs</th>
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<tr>
<td>PLA 3014</td>
<td>Law and the Legal System and</td>
</tr>
<tr>
<td>PLA 3108</td>
<td>Legal Research</td>
</tr>
</tbody>
</table>

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 |

<table>
<thead>
<tr>
<th>Health Services Administration</th>
<th>18 hrs</th>
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<tbody>
<tr>
<td><strong>Take all of the following:</strong></td>
<td>15 hrs</td>
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<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems and</td>
</tr>
<tr>
<td>HSC 4201</td>
<td>Community Health and</td>
</tr>
<tr>
<td>HSA 4180</td>
<td>Organization &amp; Management for Health Agencies I and</td>
</tr>
<tr>
<td>HSA 4191</td>
<td>Fundamentals of Health Information Technology and</td>
</tr>
<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
</tr>
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</table>

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 | 3 hrs |
HSA 4702 | Health Sciences Research Methods or | 3 hrs |
HIM 4508C | Quality Management | 3 hrs |

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<thead>
<tr>
<th>Information Technology Track</th>
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<td><strong>Requirements for the track:</strong></td>
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<tr>
<td><strong>Take all of the following:</strong></td>
<td>21 hrs</td>
</tr>
<tr>
<td>CET 3383</td>
<td>Applied Systems Analysis I and</td>
</tr>
<tr>
<td>CET 4427</td>
<td>Applied Database I and</td>
</tr>
<tr>
<td>ETI 4448</td>
<td>Applied Project Management and</td>
</tr>
<tr>
<td>CET 4748</td>
<td>Wide Area Networks I and</td>
</tr>
<tr>
<td>CET 4749</td>
<td>Wide Area Networks II and</td>
</tr>
<tr>
<td>CET 4663</td>
<td>Computer and Network Security and</td>
</tr>
<tr>
<td>CET 4483</td>
<td>Intro to Local Area Network Technology</td>
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<table>
<thead>
<tr>
<th>Software Development Track</th>
<th>21 hrs</th>
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<tr>
<td><strong>Requirements for the track:</strong></td>
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<tr>
<td><strong>Take all of the following:</strong></td>
<td>21 hrs</td>
</tr>
<tr>
<td>CPF 3330</td>
<td>Object Oriented Programming and</td>
</tr>
<tr>
<td>CEN 3024</td>
<td>Software Development I and</td>
</tr>
<tr>
<td>CEN 4025</td>
<td>Software Development II and</td>
</tr>
<tr>
<td>CEN 4910</td>
<td>Software Development Project and</td>
</tr>
<tr>
<td>ETI 4448</td>
<td>Applied Project Management and</td>
</tr>
<tr>
<td>CEN 4802</td>
<td>Software Integration, Configuration, and Testing and</td>
</tr>
<tr>
<td>CEN 4333</td>
<td>Advanced Database Development</td>
</tr>
</tbody>
</table>

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

**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)
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@mail.ucf.edu
Cory Watkins
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 minimum of 2.0 GPA in the core requirements and 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 (21 hrs)
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 3014 Crime in America 3 hrs
   - CIL 3510 Prosecution and Adjudication 3 hrs
   - CJC 3101 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs
   - CCJ 4746 Data Analysis for Criminal Justice 3 hrs

5. Restricted Electives (27 hrs)
   - 24 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   - 3 additional semester hours of supporting courses to be selected with and approved by the student’s advisor.
   - These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

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

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

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.oeas.ucf.edu/alc/academic_learning_compacts.htm

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 courses, 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study.
Articulated A.S. Programs

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:
  A: Communication Foundations
  B: Cultural & Historical Foundations
  C: Mathematical Foundations
  D: Social Foundations
  E: Science Foundations

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

3. Core Requirements: Basic Level (36 hrs)
- MAC 1105C College Algebra GEP
- Select 1: 3 hrs
  CGS 2100C Computer Fundamentals for Business or GPA
  STA 2023 Statistical Methods I GPA
- Select 1: 3 hrs
  ECO 2013 Principles of Macroeconomics GPA
  ECO 2023 Principles of Microeconomics GPA

4. Core Requirements: Advanced Level (36 hrs)
- Hospitality Management Core 27 hrs
  HFT 2401 Hospitality Industry Financial Accounting 3 hrs
  HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
  HFT 3444 Hospitality Information Systems 3 hrs
  HFT 3540 Guest Services Management I 3 hrs
  HFT 4286 Hospitality Communications 3 hrs
  HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
  HFT 4464 Hospitality Industry Finance 3 hrs
  HFT 4668 Revenue Management in the Hospitality Industry 3 hrs
  HFT 3940 Internship I 1 hr
  HFT 4841 Internship II 1 hr
  HFT 4944 Internship III 1 hr
- Select 3 9 hrs
  HFT 3700 Tourism Management 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

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
- 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.
- Final exams will be given during Exam Week only.

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
- A 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
- 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
- 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.

Acceptable Substitutes for Transfer Courses
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
  may be substituted with: ACG X011
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
  may be substituted with: ACG X011

Plan of Study
- Junior Year - Fall 15 hrs
  General Education Requirement I 3 hrs
  General Education Requirement II 3 hrs
  General Education Requirement III 3 hrs
  General Education Requirement IV 3 hrs
  General Education Requirement V 3 hrs
- Junior Year - Spring 15 hrs
  HFT 3540 Guest Services Management I 3 hrs
  HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
  HFT 3940 Internship I 1 hr
  General Education Requirement VI 3 hrs
  Sectoral Studies 3 hrs
- Junior Year - Summer 7 hrs
  HFT 4944 Internship II 1 hr
  Sectoral Studies 3 hrs
  Hospitality Restricted Elective 3 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

Senior Year - Spring 12 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
Hospitality Restricted Electives 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

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 AS 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 before 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.

Articulated A.S. Programs
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)
C: Mathematical Foundations (6 hrs)
- Required MAC 1105C College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs

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
2 PCB 3703C Human Physiology 4 hrs
2 ZOO Human Anatomy 4 hrs
3733C

Select 1:
2 STA 2014C Principles of Statistics or GEP
STA 2023 Statistical Methods I GEP

Select 1:
3 hrs
SOW 3104 Human Behavior and the Social Environment I or 3 hrs
DEP 2004 Developmental Psychology 3 hrs

1 (or other Approved Science) 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.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (56 hrs)

UCF Core 27 hrs
NUR 3605 Dimensions of Professional Nursing 3 hrs
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health 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 4040L Practicum in Community and Public Health 4 hrs
Nursing for RNs
Articulated A.S. Programs

NUR 4628 Nursing Leadership, Management and Role 3 hrs
  Transition
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)
NSP/NUR/NGR XXXX 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.

Graduation
None

8. Electives
variable to meet degree requirements

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 College of Nursing GPA of 2.5 or above
Maintain a UCF 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 person on select campuses. 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 3805 Dimensions of Professional Nursing Practice 3 hrs
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
Junior Year - Spring
NUR 3165 Nursing Research 3 hrs
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
Junior Year - Summer
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 4637 Public and Community Health Nursing 3 hrs
Senior Year - Fall
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR/NSP XXXX Nursing Elective 3 hrs
Senior Year - Spring
NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
NUR 3616 Health Promotion Across the Lifespan 2 hrs

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

Equipment Fees
Part-Time Student: $25 per term
Full-Time Student: $50 per term
Classification of Courses
The University course numbering system is as follows:

0-999. Sub-collegiate level and not counted in meeting degree requirements.

1000-2999. Freshman- and sophomore-level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and senior.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor’s and master’s programs) should check with their adviser before registering for 6000-level courses.

7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

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 Equivalencies
Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, 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>
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<tr>
<td>ENC</td>
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<td>1</td>
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English Composition

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<tr>
<th>Lower (Freshman)</th>
<th>Freshman Composition</th>
<th>Freshman Composition Skills</th>
<th>Freshman Composition Skills I</th>
<th>No Laboratory component in this course</th>
</tr>
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<tbody>
<tr>
<td>Level at this institution</td>
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<td></td>
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</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 keyword in the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course 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 institution. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits 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.
Common Course Numbering System

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. 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, 1640 Pearson Drive, Florida State University, Tallahassee, Florida 32306-1000. Special reports and technical information may be requested by calling the SCNS office at 850-245-0427 or at http://scns.fldoe.org.

AAE Applied Academics for Adult Education
ABE Agricultural and Biological Engineering
ABT Arabic Culture in Translation or Translation Skills
ABW Arabic Literature (Writings)
ABX Adult Basic Education
ACG Accounting: General
ACO Accounting: Occupational/Technical Variable Paced
ACR HVACR: Heating/Ventilation/AC/Refrigeration: Tech/Trades
ADE Adult Education
ADV Advertising
AEB Agricultural Economics and Business
AEC Agricultural Education and Communication
AEE Agriculture and Extension Education
AER Automotive Mechanics
AFA African-American Studies
AFH African History
AFR Aerospace Studies
AFS African Studies
AGE Agricultural Engineering
AGH Agriculture - General
AGN Agronomy
AHM Armenian Language
AHT Armenian Culture in Translation or Translation Skills
AHW Armenian Literature (Writings)
AKA Asian History
AKT Akan Culture in Translation or Translation Skills
AKW Akan Literature (Writings)
ALS Agriculture and Life Sciences
AMH American History
AML American Literature
AMS American Studies
AMT Aviation Maintenance Technology
ANG Anthropology-Graduate
ANS Animal Science
ANT Anthropology
AOA Agricultural Operations Management
APA Applied Accounting
APK Applied Kinesiology
ARA Arabic Language
ARC Architecture
ARD Architectural Design
ARE Art Education
ARH Art History
ARR Autobody Repair and Refinishing
ART Art
ARV Art, Vocational
ASC Aviation Science: General
ASG Animal Science: General
ASH Asian History
ASL American Sign Language
ASN Asian Studies
AST Astronomy
ATE Animal Science Technology
ATE Aviation Technology: Flight
ATR Athletic Training
ATT Aviation Technology: Theory
AVM Aviation Management
AVS Aviation
AVY Ayurveda Language
BAN Commercial Banking (AIB Courses Only)
BCC Basic Clinical Clerkships
BDA Building Construction Apprenticeships
BDA Building Construction Trades
BCH Biochemistry (Biophysics)
BDN Building Construction
BCT Building Construction Trades
BCV Building Construction: Vocational
BME Biomedical Engineering
BMS Basic Medical Sciences
BOT Botany
BRC Banking Related Courses (Not AIB or IFE)
BSC Biological Sciences
BTE Business Teacher Education
BU Business Law
CAP Computer Applications
CAS Clinical Audiology and Speech Language Pathology (See SPA)
CAT Catalan Language
CBH Comparative Psychology and Animal Behavior
CCE Civil Construction Engineering
CCJ Criminology and Criminal Justice
CDN Computer Design/Architecture
CEG Civil Geotechnical Engineering
CHAN Computer Software Engineering
CES Civil Engineering Structures
CET Computer Engineering Technology
CGN Civil Engineering
CGS Computer General Studies
CHD Home Economics: Child Development
CHI Chinese
CHM Chemistry
CHR Chiropractic
CHS Chemistry - Specialized
CHT Chinese Culture in Translation or Translation Skills
CHW Chinese Literature (Writings)
CIS Computer Science and Information Systems
CJB College Level Application in Criminal Justice
CJC Corrections
CJD Criminal Justice Development
CLJ Law Enforcement
CJL Juvenile Justice
CJPK Criminal Justice Basic Training (A.A.S or Vocational)
CLJ Law & Process
CLJ Criminal Justice Technologies
CLA Classical and Ancient Studies
CLP Clinical Psychology
CLT Classical Culture in Translation or Translation Skills
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
CPU Comparative Politics
CPS Comparative Policy Studies (Multinational)
CPT Cardiopulmonary Technology - See CVT
CRW Creative Writing
CSP Cosmetology - Specialized
CSST Comparative 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
CZW Czech Literature (Writings)
DAA 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
DIM Diesel, Hybrid, and Alternative Fuel Technology
DIS Domestic Security
DTE Dental Laboratory Technology
DMT Dutch Language
EAB Experimental Analysis Of Behavior
EAP English As a Second Language for Academic Purposes
EAS Aerospace Engineering
EBD Education: Emotional/Behavioral Disorders
ECH Engineering: Chemical
ECM Engineering: Computer Math
ECO Economics
ECP Economic Problems & Policy
ESC Economic Systems & Development
ECT Education: Career/Technical
ECW Education: Career/Workforce
EDA Educational Administration
EDE Education: Elementary
EDF Education: Foundations and Policy Studies
<table>
<thead>
<tr>
<th>Common Course Numbering System</th>
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<tbody>
<tr>
<td><strong>MLS</strong> Medical Laboratory Science</td>
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<tr>
<td><strong>MLT</strong> Medical Laboratory Technology</td>
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<tr>
<td><strong>MMC</strong> Mass Media Communication</td>
</tr>
<tr>
<td><strong>MNA</strong> Management; Applied</td>
</tr>
<tr>
<td><strong>MOB</strong> Molecular Biophysics</td>
</tr>
<tr>
<td><strong>MOM</strong> Motorcycle Mechanics</td>
</tr>
<tr>
<td><strong>MRE</strong> Medical Records (Disc. - See HIM)</td>
</tr>
<tr>
<td><strong>MSL</strong> Military Science and Leadership</td>
</tr>
<tr>
<td><strong>MSA</strong> Music; Theory</td>
</tr>
<tr>
<td><strong>MT</strong> Mathematics - Technical and Business</td>
</tr>
<tr>
<td><strong>MTE</strong> Marine Technology and Nautical Science</td>
</tr>
<tr>
<td><strong>MTG</strong> Mathematics - Topology and Geometry</td>
</tr>
<tr>
<td><strong>MTS</strong> Medical Transcription Science</td>
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<tr>
<td><strong>MUC</strong> Music; Composition</td>
</tr>
<tr>
<td><strong>MUE</strong> Music Education</td>
</tr>
<tr>
<td><strong>MUG</strong> Music: Conducting</td>
</tr>
<tr>
<td><strong>MUH</strong> Music: History/Musicology</td>
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<tr>
<td><strong>MUL</strong> Music Literature</td>
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<tr>
<td><strong>MUN</strong> Music; Commercial/Management/Administration</td>
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<tr>
<td><strong>MUN</strong> Music Ensembles</td>
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<tr>
<td><strong>MUS</strong> Music: Church</td>
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<tr>
<td><strong>MUS</strong> Music: Theory</td>
</tr>
<tr>
<td><strong>MVB</strong> Applied Music: Brasses</td>
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<tr>
<td><strong>MHS</strong> Musical Instruments</td>
</tr>
<tr>
<td><strong>MVJ</strong> Music; Jazz</td>
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<tr>
<td><strong>MVO</strong> Applied Music: Other</td>
</tr>
<tr>
<td><strong>MVP</strong> Applied Music: Percussion</td>
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<tr>
<td><strong>MVS</strong> Applied Music: Strings</td>
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<tr>
<td><strong>MVM</strong> Applied Music: Voice</td>
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<tr>
<td><strong>MWD</strong> Applied Music: Woodwinds</td>
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<tr>
<td><strong>NEM</strong> Nematology</td>
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<tr>
<td><strong>NIS</strong> Nautical Science</td>
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<tr>
<td><strong>NSP</strong> Nursing: Special</td>
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<tr>
<td><strong>NUR</strong> Nursing, Generic Undergraduate</td>
</tr>
<tr>
<td><strong>OCA</strong> Office Computer Applications</td>
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<tr>
<td><strong>OCC</strong> Oceanography - Specialist</td>
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<tr>
<td><strong>OCS</strong> Oceanography - General</td>
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<tr>
<td><strong>OCS</strong> Oceanography; Earth Science</td>
</tr>
<tr>
<td><strong>OCF</strong> Geology; Earth Science</td>
</tr>
<tr>
<td><strong>OCG</strong> Oceanography; Environmental Science</td>
</tr>
<tr>
<td><strong>OCR</strong> Physical Oceanography</td>
</tr>
<tr>
<td><strong>OCR</strong> Physical Oceanography; Marine Science</td>
</tr>
<tr>
<td><strong>ODS</strong> Occupational Safety and Health</td>
</tr>
<tr>
<td><strong>OEF</strong> Occupational Environmentals (Disc.)</td>
</tr>
<tr>
<td><strong>OFT</strong> Ophthalmic Technology/Vision Care</td>
</tr>
<tr>
<td><strong>ORH</strong> Ornamental Horticulture</td>
</tr>
<tr>
<td><strong>ORI</strong> Oral Interpretation</td>
</tr>
<tr>
<td><strong>ORV</strong> Ornamental Horticulture - Variable Paced</td>
</tr>
<tr>
<td><strong>OSE</strong> Optics; Engineering Science</td>
</tr>
<tr>
<td><strong>OST</strong> Office Systems Technology</td>
</tr>
<tr>
<td><strong>OTA</strong> Office Technology Applications</td>
</tr>
<tr>
<td><strong>OTH</strong> Occupational Therapy</td>
</tr>
<tr>
<td><strong>PAD</strong> Public Administration</td>
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<tr>
<td><strong>PAC</strong> Public Affairs</td>
</tr>
<tr>
<td><strong>PAS</strong> Physical Assistant</td>
</tr>
<tr>
<td><strong>PAX</strong> Peace Studies</td>
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<tr>
<td><strong>PAZ</strong> Parks and Zoos</td>
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<tr>
<td><strong>PCB</strong> Process Biology</td>
</tr>
<tr>
<td><strong>PCO</strong> Psychology; Counseling</td>
</tr>
<tr>
<td><strong>PE</strong> Physiology; General</td>
</tr>
<tr>
<td><strong>PE</strong> Physiology; Allied Health Sciences</td>
</tr>
<tr>
<td><strong>PEN</strong> Physical Education; Non-Matricular</td>
</tr>
<tr>
<td><strong>PEO</strong> Physical Education; Snow</td>
</tr>
</tbody>
</table>
Courses Numbered 0-999
Dependning upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses
In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

Special Course Undergraduate Graduate
Directed Independent Studies 1906, 2905, 3905, 4906 5907
Directed Independent Research 4912 5917
Special Undergraduate Research IDS 3913, 4914
Special Topics/Seminars 1931, 2930, 3930, 4932, 5937
*Internship, Practicum, Clinical Prac 3940, 4941 5944
Cooperative Education 1949, 2949, 3949, 4949 5949
Honors Undergraduate Thesis 3970H, 4970H
Honors Directed Reading 4903H
Honors Directed Reading 4904H
Study Abroad 4955 5957

*These courses may be assigned variable credit. Some may be repeated upon approval.
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 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), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.

College/School/Department Indicator
Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities, COM = Communications, CON = Nursing, COS = Sciences, ECE = 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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<td>BA</td>
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<td>BA</td>
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<td>BA</td>
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<td>BA</td>
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<td>MAR</td>
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<tr>
<td>BHC</td>
<td>Honors</td>
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<td>CAH</td>
<td>Africana Studies</td>
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<td>CAH</td>
<td>Arts &amp; Humanities</td>
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<td>ECS</td>
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<td>COM SC&amp;DIS</td>
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<td>HPA</td>
<td>Criminal Justice</td>
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<td>HPA</td>
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<td>RCHM</td>
<td>Foodservice &amp; Lodging Mgmt</td>
<td>FOOD&amp;LOG</td>
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<td>Hospitality Management</td>
<td>RCHM</td>
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<td>Hospitality Services</td>
<td>HSP SERV</td>
</tr>
<tr>
<td>RCHM</td>
<td>Tourism, Events &amp; Attractions</td>
<td>TEA</td>
</tr>
<tr>
<td>UGST</td>
<td>Undergrad/Interdisc Studies</td>
<td>INTERDISC</td>
</tr>
</tbody>
</table>
ACG 2021 BA-ACCT 3(3,0) Principles of Financial Accounting: PR: MAC 1105C with a "C" (2.0) or better. Nature of accounting, financial statements, the accounting cycle, assets, current liabilities, long-term debt, and owner’s equity; accounting for proprietorships and corporations. Fall, Spring.

ACG 2021H BA-ACCT 3(3,0) Honors Principles of Financial Accounting: PR: MAC 1105C with a "C" (2.0) or better. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

ACG 2071 BA-ACCT 3(3,0) Principles of Managerial Accounting: PR: ACG 2021 & ACG 2071 each with a grade of "C" (2.0) or better. The theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

ACG 3131 BA-ACCT 3(3,0) Intermediate Financial Accounting I: PR: Pre-Accounting or Pre-Finance major or Accounting minor & ACG 2021 & ACG 2071 each with a grade of "C" (2.0) or better. Technical knowledge about accounting measurement and disclosure, as well as how financial statements are analyzed and interpreted by external users. Fall, Spring.

ACG 3141 BA-ACCT 3(3,0) Intermediate Financial Accounting II: PR: Accounting major or minor, ACG 3131 with a grade of "C" (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.

ACG 3173 BA-ACCT 3(3,0) Accounting for Decision-Makers: PR: Pre-Business (except Pre-Accounting) major & ACG 2021 & ACG 2071 each with a grade of "C" (2.0) or better. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.

ACG 3501 BA-ACCT 3(3,0) Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and MAC 1105C. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.

ACG 4252 BA-ACCT 3(3,0) International Financial and Managerial Accounting: PR: Accounting major or minor, ACG 2021, ACG 2071, each with a "C" (2.0) or better. An examination of environmental factors affecting international accounting standards and multinational corporate operations. Not open to accounting majors. Occasional.

ACG 4284 BA-ACCT 3(3,0) Financial Reporting for Consolidated Entities: PR: ACG 3141 with a "C" (2.0) or better. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. Occasional.

ACG 4401C BA-ACCT 3(3,1) Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and CGS 2100C, each with a grade of "C" (2.0) or better. Manual and computer-based accounting information systems. Fall, Spring.

ACG 4451 BA-ACCT 3(3,0) Auditing: PR: Accounting major or minor, ACG 3141 and ACG 4401C, each with a grade of "C" (2.0) or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

ACG 4471 BA-ACCT 3(3,0) Internal Auditing: PR: Accounting major or minor, ACG 3131 or ACG 3361, with a "C" (2.0) 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) Advanced Issues in Financial Accounting: PR: Accounting major and "C" (2.0) or better in ACG 3141, ACG 3361, and ACG 3501. Advanced issues in financial accounting, including consolidations and IFRS. Fall, Spring.

ADE 4382 ED-CFCS 3(3,0) Teaching Adults in Technical Programs: PR: C.T. 3365 or CI. Planning for and teaching of adult learners in formal & informal technical settings. Fall.

ADV 3008 COS-COMM 3(3,0) Principles of Advertising: PR: SPCC 1608, or SPCC 1603C, or COM 1000. Overview of the field of advertising: purposes, techniques, the role of agencies, advertisers and the media. Fall, Spring.

ADV 3912 COS-COMM 3(3,0) Collaborative Experiential Research Practicum: PR: Either SPC 1608, or SPC 1603C, and COS-COMM 1000. 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. Occasional.

ADV 4101 COS-COMM 3(3,0) Advertising Copywriting: PR: Ad-PR majors only and ADV 3008 and PUR 4000. Advertising copywriting teaches the development of creative strategies for advertising and emphasizes writing for various media. Fall, Spring.

ADV 4103 COS-COMM 3(3,0) Radio-Television Advertising: PR: R-TV or Ad-PR Majors or Mass Comm. minors only and ADV 3008 or C.I. Radio and television advertising sales, including interpretation of rate structures, program audiences, and creative approaches to sponsor needs. Fall, Spring.

ADV 4300 COS-COMM 3(3,0) Advertising Media Planning: PR: ADV 3008 and Ad-PR major. Advertising media planning and buying, including basic media terms, calculations, and resources. Fall.

AFA 3006 CAH-AS 3(3,0) The African Diaspora: Theories and Movements: PR: ENC 1102. Provides a broad understanding of the cultural, social, and political experiences that define the African Diaspora. Fall.

AFA 3102 CAH-AS 3(3,0) Introduction to Africana Studies: A Multidisciplinary Approach: PR: ENC 1102. Key issues and methodologies in Africana Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.

AFA 3104 CAH-AS 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 3244 CAH-AS 3(3,0) Africana 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.


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) Honors Evolution of Hip Hop: PR: Consent of Honors. Historical analysis of Hip Hop from its African roots to the present with emphasis on the socio-political implications of this phenomenon. With Honors content. Occasional.

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 Africana political struggles. Fall.

AFA 3850 CAH-AS 3(3,0) Researching Africana Heritage and Life: PR: ENC 1102 or C.I. Principles and processes of researching contributions of traditional Africana people and communities. Occasional.

AFA 3955 CAH-AS 6(6,0) Study Abroad in Eastern Caribbean: PR: ENC 1102 or C.I. Corequisite: AFA 3931. This course is designed to provide instruction to students interested in studying Africana culture and life in the Eastern Caribbean. Occasional.

AFA 4105 CAH-AS 3(3,0) Documenting Africana Heritage and Life: PR: ENC 1102 or C.I. Principles and research in the process of documenting Africana heritage and life. Occasional.


AFH 3100 CAH-HIST 3(3,0) African History from 1870 to the Present: PR: C.I. Sub-Saharan African Institutions and peoples from the earliest time until 1870. Occasional.

AFH 3200 CAH-HIST 3(3,0) African History Since 1870: PR: C.I. Sub-Saharan African history from 1870 to the present. Occasional.
AMH 4311 CAH-HIST 3(3,0) American Culture I: PR: AMH 2010 and AMH 2020, or C.I. The European Backgrounds: Pessimism, Enlightenment, the Glorious Revolution; relative to the intelligentsia; the media explosion; Revolutionary Thought; Romanticism; the Southern Mind and the Yankee Response; Popular Culture and the rise of recreation. Occasional.

AMH 4313 CAH-HIST 3(3,0) American Culture II: PR: AMH 2010 and AMH 2020, or C.I. The Darwinian Revolution; revolt of the intellectuals; the media explosion; Television; entertainment in mass culture; the loss of community, the nuclear age, and presentism. Occasional.

AMH 4375 CAH-HIST 3(3,0) Technology and US Culture: PR: AMH 2010 or C.I. Examines the history of technology in the United States, its impact on society, and society's impact on technological development. Even Spring.

AMH 4376 CAH-HIST 3(3,0) U.S. Space History: PR: AMH 2010 and AMH 2020, or C.I. Post World War II US rocketry and space travel with focus on the role of Cape Canaveral/Kennedy Space Center. Occasional.


AMH 4513 CAH-HIST 3(3,0) United States as a Great Power: 1945-Present: PR: AMH 2020 or C.I. U.S. diplomacy from World War II to the present. Occasional.

AMH 4573 CAH-HIST 3(3,0) Black Militancy in the 20th Century: PR: AMH 2010 and AMH 2020, or C.I. The rise and development of black militant organizations and how these groups have been influenced by hostile foreign entities. Occasional.


AMH 4680 CAH-HIST 3(3,0) Women in American Science: PR: AMH 2010 or AMH 2020. Examines how American society uses Western ideas about sex and gender to define women's roles in science and their influence on their fields. Even Fall.

AMH 5166 CAH-HIST 3(3,0) Colloquium: Women in American History: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics in American History from colonial times to the present. Occasional.

AMH 5391 CAH-HIST 3(3,0) Colloquium in Cultural History: PR: Graduate standing or senior standing or C.I. Students will read and discuss a common or diverse body of the significant literature in the field. Occasional.

AMH 5406 CAH-HIST 3(3,0) Colloquium in American South: PR: Graduate standing or senior standing or C.I. Reading and class discussion on selected topics of Southern history from colonial origins to the present. Occasional.

AMH 5446 CAH-HIST 3(3,0) Colloquium in U.S. Frontier: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history. Occasional.

AMH 5566 CAH-HIST 3(3,0) Colloquium: Women in American History: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Women in American History from colonial time to the present. Occasional.

AMH 5636 CAH-HIST 3(3,0) Colloquium in US Environmental History: PR: Graduate standing or C.I. Evolution of historical texts and methodologies for understanding nature-human interaction, and how access to resources shaped human opportunity, from colonization to the present. Occasional.

AMH 5925 CAH-HIST 3(3,0) Colloquium in US Military History: PR: Graduate standing or C.I. Readings in selected topics in United States military history. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

AML 3031 CAH-ENG 3(3,0) American Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from beginning through Whitman. Fall, Spring.

AML 3041 CAH-ENG 3(3,0) American Literature II: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from Twain to present. Fall, Spring.

AML 3283 CAH-ENG 3(3,0) Contemporary American Women's Fiction: PR: Grade of “C” (2.0) or better required in ENC 1102. Examines how novels and short stories by contemporary U.S. women define identity from diverse woman-centered and feminist perspectives. Occasional.

AML 3386 CAH-ENG 3(3,0) Early American Women's Words: PR: Grade of “C” (2.0) or better in ENC 1102. Examines the literature from the 17th century through the mid-19th century. Occasional.

AML 3613 CAH-ENG 3(3,0) Narratives of Slavery: PR: Grade of C (2.0) or better required in ENC 1102. Literary representations of New World slavery in the past and the present. Occasional.

AML 3614 CAH-ENG 3(3,0) Topics in African-American Literature: PR: Grade of C (2.0) or better required in ENC 1102. Literature of the African-American culture in the United States. May be repeated for credit. Occasional.

AML 3615 CAH-ENG 3(3,0) Harlem, Haiti, and Havana: PR: Grade of C (2.0) or better required in ENC 1102. A comparative approach to African-American and Caribbean writers, focusing on literary styles, historical contexts, and themes such as nationalism, popular music, and folk religion. Occasional.

AML 3640 CAH-ENG 3(3,0) Native American Literature: PR: Grade of C (2.0) or better required in ENC 1101 and ENC 1102. Native American genres, including traditional oral narratives, ritual and contemporary poetry, autobiography, and the novel. Occasional.

AML 3643 CAH-ENG 3(3,0) Contemporary Native American Prose and Poetry: PR: Grade of “C” (2.0) or better in ENC 1102 or C.I. American Indian fiction, non-fiction, and poetry since 1970. Occasional.

AML 3682 CAH-ENG 3(3,0) Ethnic Literature in America: PR: Grade of “C” (2.0) or better in ENC 1102 or C.I. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Occasional.

AML 3682H CAH-ENG 3(3,0) Advanced Ethnic Literature in America: PR: Permission of Honors and ENC 1102H or equivalent credit. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Honors content. Occasional.

AML 4101 CAH-ENG 3(3,0) American Novel: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. Analysis of major American novelists. Occasional.

AML 4155 CAH-ENG 3(3,0) Modern American Poetry: PR: Grade of C (2.0) or better required in ENC 3014. Study of major poets of the modern (1900-1950) period. Occasional.

AML 4261 CAH-ENG 3(3,0) Literature of the South: PR: Grade of “C” (2.0) or better in ENC 3014 or C.I. Development of Southern literature from its beginnings in the “Old South” through the post-Civil War and the Southern Renaissance to the present. Emphasizes readings from writers such as Poe, Chopin, Faulkner, Porter, Williams, O’Connor, Percy, and Styron. Occasional.

AML 4265 CAH-ENG 3(3,0) Florida Writers: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. Study of the examine writers who have lived in and written about Florida, such as Hemingway, Rawlings, Hurston, and Stevens. Occasional.

AML 4300 CAH-ENG 3(3,0) Major American Authors: PR: Grade of C (2.0) or better required in ENC 3014. Comprehensive study of selected major American literary figures. May be repeated for credit only when course content is different. Fall, Spring.

AML 4321 CAH-ENG 3(3,0) Modern American Literature: PR: Grade of C (2.0) or better required in ENC 3014. Major writers of modern American literature. Occasional.

AML 4630 CAH-ENG 3(3,0) Latino/Latina Literature: PR: Grade of C (2.0) or better required in ENC 3014. U.S. literature by writers from Latino and Latina backgrounds. Occasional.

AML 5000 COS-ANTHRO 3(3,0) Archeological Sciences: PR: Admission to Anthropology M.A., Maya Studies graduate certificate, or C.I. Field and laboratory methods routinely used in archeology and forensic archeology, including instrumentation. Occasional.
ANT 5166 COS-ANTHRO 3(3,0) Problems in Maya Studies; PR: Admission to Anthropology MA, Maya Studies GC, or C.I. In-depth study of current methodological, theoretical, and topical problems in Maya Studies. Occasional.

ANT 5167 COS-ANTHRO 3(3,0) Maya Hieroglyphs: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. Occasional.

ANT 5191 COS-ANTHRO 3(3,0) Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual-ancient and modern. Occasional.

ANT 5228 COS-ANTHRO 3(3,0) Maya Iconography: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. Odd Spring.

ANT 5272 COS-ANTHRO 3(3,0) Culture, Inequality and Global Development: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. An introduction to the study of human diversity as exemplified among various cultures and ethnic groups. Fall, Spring.

ANT 5301 COS-ANTHRO 3(3,0) Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANT 5486 COS-ANTHRO 3(3,0) Quantitative Research in Anthropology: PR: Admission to the MA in Anthropology program, Maya Studies graduate certificate, or C.I. Quantitative approaches to problems in anthropology, including multivariate systems, assessment of reliability, and approaches for small samples. Even Fall.

ANT 5525C COS-ANTHRO 4(3,1) Human Osteology: PR: Admission to the Anthropology M.A. program or C.I. The human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. Fall.

ANT 5531 COS-ANTHRO 3(3,0) Nutritional Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. Occasional.

ANT 5620 COS-ANTHRO 3(3,0) Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language as an integral part of human culture and behavior, focusing on cultural and social features and issues that affect cultural competence. Occasional.

ANT 5738 COS-ANTHRO 3(3,0) Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological approaches to the study of health and disease. Occasional.

ANT 5742 COS-ANTHRO 3(3,0) Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. Even Spring.

ANT 5822 COS-ANTHRO 3(3,0) Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of research skills and method and theory during primary field research in the Maya area. Spring.
ANT 3262 COS-ANTHRO 3(3,0)

ANT 3273 COS-ANTHRO 3(3,0)
Law, Culture, and Religion: PR: or CR: ANT 2000 or C.I. An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. Occasional.

ANT 3275 COS-ANTHRO 3(3,0)
Anthropological Perspectives on Refugees: PR: Sophomore standing or C.I. The culturally specific causes of refugee flows, responses to refugees, cultural issues refugees experience when they seek asylum, and resettlement experiences. Even Spring.

ANT 3290 COS-ANTHRO 3(3,0)
Anthropology of Plants and People: PR: ANT 2140 or Sophomore Standing. Anthropological perspectives involving the interactions between people and plants. Even Spring.

ANT 3302 COS-ANTHRO 3(3,0)
Sex, Gender and Culture: PR: Sophomore standing. The traditional and changing roles of women and men viewed in a cross-cultural perspective. Fall, Spring.

ANT 3311 COS-ANTHRO 3(3,0)

ANT 3312 COS-ANTHRO 3(3,0)

ANT 3313 COS-ANTHRO 3(3,0)

ANT 3319 COS-ANTHRO 3(3,0)

ANT 3330 COS-ANTHRO 3(3,0)
Anthropology of the Amazon: PR: Sophomore Standing or C.I. The historical ecology and archaeology of indigenous Amazonians, including evidence from archaeological, ethnographic and linguistic studies. Occasional.

ANT 3362 COS-ANTHRO 3(3,0)

ANT 3393 COS-ANTHRO 3(3,0)
American Indian Literature and Culture in Florida: PR: ENC 1102. Literature about the Apalachee, Timucua, Seminole, and Calusa tribes in Florida, examining various issues through tales and legends, treaties, archival sources. Occasional.

ANT 3398 COS-ANTHRO 3(3,0)

ANT 3541 COS-ANTHRO 3(3,0)
Biobehavioral Anthropology: PR: Sophomore standing. An introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments. Fall.

ANT 3550C COS-ANTHRO 3(2,1)
Primateology: PR: One of the following: ANT 2511, BSC 2010C, or C.I. Study of species from the Order Primates, including their morphology, ecology, behavior, and geographic distribution. Occasional.
ARH 2050H ED-TL&L 3(3,0)
Studio Experiences in Art Education: PR: Admission into the College of Education, Art Education Program required 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 design program a maximum of 3 times. Spring. M&S fee $5.00.

ARH 5251 ED-TL&L 3(2,1)
Art for Exceptionalities: Concepts, principles, and methods of integrating art processes into the education of the physically, emotionally, and mentally handicapped. Occasional.

ARH 2050 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.

ARH 5359 ED-TL&L 4(4,0)
Teaching Art K-12: PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&S fee $2.00.

ARH 5454 ED-TL&L 3(3,0)
Studio Experiences in Art Education: PR: Graduate standing 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.

ARH 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 from 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.

ARH 3631 CAH-SVAD 3(3,0)

ARH 3632H CAH-SVAD 3(3,0)

ARH 3670 CAH-SVAD 3(3,0)
20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1620 to 1930) in the Caribbean and South America: issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.

ARH 3673 CAH-SVAD 3(3,0)
Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1980's. Occasional.

ARH 3674 CAH-SVAD 3(3,0)

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 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)

ARH 3820 CAH-SVAD 3(3,0)
Visual Art Administration Vistas: 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)
Art of Walt 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 Constantine. Occasional.

ARH 4450 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 4540 CAH-SVAD 3(3,0)
Art of India: PR: Junior Standing or C.I. Art architecture of India from prehistoric times through the Gupta, Rajput, and Muslim periods. 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-Columbia, 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 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.

ARH 5897 CAH-SVAD 3(3,0)
Advanced Seminar in Art History: PR: ARH 2050 and ARH 2051 or C.I. Research methods on various topics including: major artist, monument, cultural period or theme. Occasional.

ART 2201C CAH-SVAD 3(2,4)
Design Fundamentals-Two Dimensional: PR: C.I. Priority given to students whose major requires this course. Materials, processes, form. Emphasis on two-dimensional design problems, including: problems in black and white and basic color theory. Fall, Spring. M&S fee $15.00.

ART 2201C CAH-SVAD 3(2,4)
Honors Design Fundamentals-Two Dimensional: PR: ART 2201C. Priority given to students whose major requires this course. Permission of Honors. Materials, processes, form. Emphasis on two-dimensional design problems, including: problems in black and white and basic color theory with Honors content. Occasional.

ART 2203C CAH-SVAD 3(2,4)
Design Fundamentals-Three Dimensional: PR: C.I. Priority given to students whose major requires this course. Basic three-dimensional design using the various sculptural media. Fall, Spring. M&S fee $45.00.

ART 2300C CAH-SVAD 3(2,4)
Drawing Fundamentals I: PR: C.I. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. Fall, Spring. M&S fee $10.00.

ART 2300C CAH-SVAD 3(2,4)
UCF Courses and Descriptions
ART 2301C
CAH-SVAD
3(2,4)
Drawing Fundamentals II: PR: ART 2300C or C.I.
Priority given to students whose major requires this course.
Continuation of ART 2300C. Fall,Spring. M&S fee $10.00
ART 2400C
CAH-SVAD
3(2,4)
Beginning Printmaking: Basic elements and
techniques of printmaking covered. Relief, intaglio, and
lithography. Assignments include practical application of
printmaking as drawing tool. Occasional.
ART 2500C
CAH-SVAD
3(2,4)
Beginning Painting: PR: ART 2300C, ART 2201C, or
C.I. Methods and materials of the painter. Introduction to the
problems in painting. Occasional. M&S fee $15.00
ART 2701C
CAH-SVAD
3(2,4)
Sculpture: PR: Three semester hours in threedimensional work, ART 2201C, ART 2203C, ART 2300C,
ART 2301C. The challenge of communicating ideas through
three-dimensional forms. Odd Fall. M&S fee $35.00
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 influencing the art curriculum. Examination of
aesthetic characteristics shared by the various disciplines
and how knowledge of these data is used by the profession
to share information with the community. Fall,Spring.
ART 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,
drawing, design, and art history. Occasional.
ART 3170C
CAH-SVAD
3(2,4)
Book Binding: PR: ART 2201C, ART 2203C, and ART
2823. Basic book binding techniques, methods, structures,
and production of books. Occasional. M&S fee $44.00
ART 3171C
CAH-SVAD
3(2,4)
Materials for Artist Books: PR: ART 2201C, ART
2203C, and ART 3170C. Production of materials used for an
artist in the creation of books. Occasional. M&S fee $32.00
ART 3175C
CAH-SVAD
3(2,4)
Advanced Issues in Contemporary Book
Arts: PR: ART 2201C, ART 2203C, ART 2300C, ART
2301C, and ART 3170C. Drawing, printmaking, and painting
combined with guided research at the Orlando Museum of
M&S fee $44.00
ART 3176C
CAH-SVAD
3(2,4)
The Illuminated Book: PR: ART 2201C, ART
2300C, 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 3223C
CAH-SVAD
3(2,4)
Honors Applied Design Lab: PR: Consent of
Honors. Designing three-dimensional projects for real world
clients. With Honors Content. Occasional.
ART 3321C
CAH-SVAD
3(2,4)
Drawing concepts and techniques emphasizing observation
from still life and the human figure to prepare students for
Sophomore portfolio review. Occasional.
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 3433C
CAH-SVAD
3(2,4)
Screenprinting: PR: ART 2201C, ART 2300C, ART
2400C. 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 figurative painting. Fall,Even Spring. M&S fee $15.00
ART 3616C
CAH-SVAD
3(3,0)
Animation Production Methods: PR: ART
2201C, ART 2203C, ART 2300C, ART 2301C, C.I. The
development of a computer animation piece. All aspects
of production will be covered. May be repeated for credit.
Occasional.
ART 3618
CAH-SVAD
3(3,0)
Post-Production Design: PR: Sophomore Portfolio
and “C’” or better in FIL 3720C. Special effects and
compositing for computer animation and film. Focus on
the use of After Effects, Premier and Photoshop software.
Occasional.
ART 3643C
CAH-SVAD
3(2,4)
Digital Effects & Compositing: PR: DIG 3951
and declared Character Animation specialization, or ART
3950 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, ART 2701C, and
successful portfolio review. Examines the concepts of threedimensional forms. Fall,Spring. M&S fee $45.00
ART 3737C
CAH-SVAD
3(2,4)
Narrative Sculpture: PR: ART 2201C, ART 2203C,
ART 2300C, and ART 2301C. Aesthetics of sculpture
incorporating narrative content and referencing historical
contexts. May be repeated for credit. Occasional.
ART 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.
Application of a variety of 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
ART 3833C
CAH-SVAD
3(2,4)
Honors Processes and Ideas in Art: PR: Junior
Standing and Consent of Honors. Generation of new
insights concerning artistic expression with an emphasis
on the individual creation of visual art objects. With Honors
content. Occasional.
ART 3833C
CAH-SVAD
3(4,2)
Processes and Ideas in Art: PR:Junior Standing.
This course emphasizes the development of individual
creativity and the generation of new insights concerning
artistic expression. These “formative activities” must be
manifested by students in the form of small sculptures and/
or other forms of creativity. Occasional.
ART 3950
CAH-SVAD
0(0,0)
Portfolio Review: PR: ARH 2050, ARH 2051, ART
2823, ART 2201C, ART 2203C, ART 2300C, and ART
2301C. Determines competencies in studio foundations
work. Satisfactory completion of portfolio review is required
to enroll in upper division studio classes. Graded S/U.
Fall,Spring.
ART 3951C
CAH-SVAD
3(2,4)
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
rebinding books from the Library and Special Collections.
Occasional.

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ART 4173C
CAH-SVAD
3(2,4)
The Artist Book: PR: ART 2201C and ART
2203C. Definition of book from traditional hand-made
to contemporary artist book. Redefining the elements,
structure and content of books and the binding and printing
ART 4174C
CAH-SVAD
3(2,4)
The Printed Book: PR: ART 2201C, ART 2203C,
ART 2300C, and ART 2301C. Aesthetics of the printed
book including binding techniques to make artist books.
Occasional. M&S fee $23.00
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 4226C
CAH-SVAD
3(3,3)
Post Production for Animators: PR: FIL 3734C.
Concepts and tools for finishing computer and traditional
animations on film and video. Emphasis on compositing
tools to combine elements in a finished animation.
Occasional.
ART 4320C
CAH-SVAD
3(2,4)
Advanced Drawing: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3332C. May be repeated for
credit. Fall,Spring.
ART 4402C
CAH-SVAD
3(2,4)
Advanced Printmaking: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, and a satisfactory portfolio
review or C.I. Advanced process in printmaking. May be
repeated for credit. Even Fall,Spring. M&S fee $30.00
ART 4505C
CAH-SVAD
3(2,4)
Advanced Painting: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3504C, and a satisfactory
portfolio review or C.I. Advanced problems in painting. May
be repeated for credit. Fall,Spring. M&S fee $15.00
ART 4634C
CAH-SVAD
3(3,1)
Web Art: PR: ART 2823 or C.I. The Web as a medium
for art. Occasional.
ART 4644C
CAH-SVAD
3(2,4)
Books Without Books: PR: ART 2201C, ART 2203C,
ART 2300C, and ART 2301C. The use of technology for
alternative presentation of sequential ideas in space and
time. May be repeated for credit. Occasional.
ART 4710C
CAH-SVAD
3(2,4)
Advanced Sculpture: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 2701C, and a satisfactory
portfolio review or C.I. The challenge of communicating
concepts through three-dimensional forms. May be
repeated for credit. Fall,Spring. M&S fee $45.00
ART 4765C
CAH-SVAD
3(2,4)
Ceramic Handbuilding II: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, ART 2754C, and a
satisfactory portfolio review or C.I. Technical skills in
manipulating form, function, volume, color and surface
texture. Occasional. M&S fee $35.00
ART 4780C
CAH-SVAD
3(2,4)
Kiln Design and Building: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, ART 3761C, ART 4783C,
and a satisfactory portfolio review or C.I. The design and
construction of kilns, use of refractory materials, and the
theory of efficient fuel combustion. Occasional. M&S fee
$35.00
ART 4783C
CAH-SVAD
3(2,4)
Advanced Ceramics: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3761C, and a satisfactory
portfolio review or C.I. Advanced problems in the ceramic
process. May be repeated for credit. Fall,Spring. M&S
fee $35.00
ART 4786C
CAH-SVAD
3(2,4)
Ceramic Raw Material: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3761C, and a satisfactory
portfolio review or C.I. An in-depth understanding of the
singular and diverse properties of clay and glaze materials.
Occasional. M&S fee $35.00

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ART 4935 CAH-SVAD 3(3,0)
BFA Exhibit/Seminar: PR: ART 2201C, ART 2203C, ART 2300C, ART 2310C, must complete Studio course for BFA, and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition. Spring. M&S fee $15.00

ART 4945C CAH-SVAD 3(2,4)
Advanced Design Lab: PR: ART 2201C, ART 2203C, ART 2300C, ART 2310C, and a satisfactory portfolio review or ART 3950C or C.I. Students design and develop visual solutions for real world clients in partnership with industry. May be used in the degree program a maximum of 3 times. Fall, Spring.

ART 4954 CAH-SVAD 3(3,0)
Scotland Study Abroad: PR: ART 2823, ART 2201C, ART 2301C or C.I. Study abroad in Edinburgh, Scotland. May be repeated for credit. Occasional.

ART 4971 CAH-SVAD 3(2,4)

ART 5280 CAH-SVAD 3(3,0)
Senior Project: PR: Admission to Emerging Media MFA or Digital Media M.A., graduate standing, or C.I. Serial content, story forms, interactive narrative theory and practice for art, digital media and film. Traditional and non-traditional forms of visual and interactive storytelling. Fall, M&S fee $45.00

ART 5284 CAH-SVAD 3(3,0)
Design Theory and Methods: PR: Admission to MFA or C.I. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric. Fall. M&S fee $45.00

ART 5670C CAH-SVAD 3(2,4)

ART 5694 CAH-SVAD 3(3,0)
Crosscultural Electronic Art and Design: PR: Admission to MFA. Explores digital/electronic art and technology from mid-20th century to present. Explores key electronic artists and issues of the "arts electronic" into the present. Spring.

ART 5695 CAH-SVAD 3(3,0)
WebArt I: PR: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. Spring. M&S fee $45.00

ART 5696 CAH-SVAD 3(3,0)
Art, Design and Human Interactions: PR: Admission to MFA. Exploration and design of interface between artists, systems and technologies in contemporary society and culture including place making, way finding, electronic interface design, and publication design. Spring.

ART 5698 CAH-SVAD 3(3,0)
Concourse I: PR: ART 5910 and ART 5280 and ART 5694, or C.I. Digital reproduction of studio works. Fall. M&S fee $45.00

ART 5811C CAH-SVAD 3(3,1)
The Professional Practice of Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisite), graduate status or senior standing, or C.I. Seminar in professional and political interactions and practical professions in the art world. Overview of inventory processing, accounting, and the marketing of art. Fall. M&S fee $45.00

ART 5910 CAH-SVAD 3(3,0)
Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $45.00

ART 5941 CAH-SVAD 1(1,0)
Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.

ASH 3222 CAH-HIST 3(3,0)

ASH 3223 CAH-HIST 3(3,0)
The Modern Middle East: PR: Junior standing or C.I. History of the Middle East and North Africa from the 16th century to the present. Occasional.

ASH 4233 CAH-HIST 3(3,0)
Ottoman Empire: PR: WOH 2012 and WOH 2022. History of the Ottoman Empire from its origins in the 13th century to its collapse after WWI. Occasional.

ASH 4243 CAH-HIST 3(3,0)
History of Iraq: PR: WOH 2012 and WOH 2022. Modern Iraqi history through a set of interrelated monographic studies that focus on the political and legal components of the Iraqi state. Occasional.

ASH 4304 CAH-HIST 3(3,0)

ASH 4324 CAH-HIST 3(3,0)
History & Culture of South Asia: PR: WOH 2012 or C.I. History and culture of South Asia from prehistory to decline of the British Raj. Occasional.

ASH 4383 CAH-HIST 3(3,0)
Imperialism & Decolonization in South Asia: PR: WOH 2022 or C.I. Socio-cultural, economic and political impact of imperialism and the subsequent decolonization in South Asia. Occasional.

ASH 4402 CAH-HIST 3(3,0)

ASH 4404 CAH-HIST 3(3,0)
Modern China: PR: EUH 2000 and EUH 2001 or C.I. Political, social, economic, and cultural transformations undergone by China from about the 17th century to the present. Occasional.

ASH 4442 CAH-HIST 3(3,0)
Modern Japan: PR: EUH 2000 and EUH 2001 or C.I. History of Japan from the end of the Tokugawa period to the present day. Occasional.

ASH 4550 CAH-HIST 3(3,0)
History of Modern India: PR: WOH 2012 or C.I. History of India from decline of Mughals in late 18th century to present. Occasional.

ASH 5229 CAH-HIST 3(3,0)
History of the Middle East: PR: Graduate standing or C.I. Selected topics in the history of the modern Middle East. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ASH 5408 CAH-HIST 3(3,0)
Colloquium in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.

ASH 5485 CAH-HIST 3(3,0)
U.S. China Relations: PR: Graduate standing or C.I. An in-depth study of the significant relations between China and the United States since the 18th century. Even Fall.

ASH 5925 CAH-HIST 3(3,0)
Colloquium in South Asian History: PR: Graduate standing or C.I. Addresses key themes in South Asian history through selected readings. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

ASH 2140 HPA-COM SCDIS 4(4,0)
Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf culture in America, resolving everyday Fall, Spring.

ASH 2150 HPA-COM SCDIS 4(4,0)
Intermediate American Sign Language: PR: ASL 2140. Expansion of ASL vocabulary with increased development of knowledge concerning Deaf culture. Fall, Spring.

ASH 2510 HPA-COM SCDIS 3(3,0)
Issues of Deafness: PR: C.I. The impact of deafness on individual, family and social problems in the deaf community and culture, including historical and changing attitudes toward persons and disabilities. Occasional.

ASH 4161C HPA-COM SCDIS 4(3,1)
Fall, Spring.

Factors which affect the health and survival of man in BME 5268C

Basic principles and unifying concepts of modern biology. Priority given to students whose major requires this course.

BSC 1005 COS-BIOL 3(3,0)

Biological Principles: A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors. Fall, Spring.

BSC 1005L COS-BIOL 1(0,2)

Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring.

BSC 2010C COS-BIOL 4(3,2)

Biology I: PR: High school biology or C.I. Open only to students whose major requires this specific course. Cellular and chemical basis of life, genetics, and the theory of evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee $2.00

BSC 211C COS-BIOL 4(3,3)

Biology II: PR: A "C" (2.0) or better in BSC 2010C or C.I. Prerequisites will be given to students whose program requires this course. Continuation of BSC 2010C. Organismal anatomy and physiology as it relates to biodiversity, ecology and evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee $2.00

BSC 3052 COS-BIOL 3(0,0)

Conservation Biology: PR: or CR: A minimum grade of "C" (2.0) in PCB 3044 or C.I. Science, history and principles of conservation biology. Occasional.

BSC 3312 COS-BIOL 3(3,0)

Principles of Marine Biology: PR: A minimum grade of "C" (2.0) in both BSC 2010C and BSC 211C. Provides students with a foundation in the field of marine biology using a global perspective. Even Fall.

BSC 3402C COS-BIOL 4(1,3)

Integrative Biology: PR: BSC 2010C and BSC 211C or C.I. A study of the current status of the field, on novel methods and on impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.

BSC 3508L COS-BIOL 4(3,6)

Introductory Botany: PR: Either BSC 2010C or C.I. Introduction of useful biological and molecular biological techniques and resources necessary for students to more effectively learn biological concepts by facilitating learning in variety of university biology labs. Graded S/U. May be repeated for credit. Fall, Spring.

BSC 3516 COS-BIOL 3(0,0)

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 3533 COS-BIOL 3(0,0)

Invasion Biology: PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems. Even Spring.

BSC 4312C COS-BIOL 4(3,3)

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 3(0,0)

Invasion Ecology: 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 4421 COS-BIOL 1-4(0,3-12)

Biological Laboratory Techniques: PR: CHM 2110 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 Biological laboratories. Graded S/U. May be repeated for credit. Occasional.
UCF Courses and Descriptions

BSC 5618 COS-BIOL 3(3,0)
Phylogenetic Approaches in Biological Research
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 5824 COS-BIOL 4(4,0)
Biological Chemistry: Pr: Design to the M.S. in Biology, Ph.D. in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, or C.I. Study of protein folding and regulation 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: ECT 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-ACTT 3(3,0)
Legal and Ethical Environment of Business: Pr: Completion of each course in the Business common core requirements, with a grade of "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-ACTT 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, MAN 3025 and MAN 3301. An examination 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-ACTT 3(3,0)
Advanced Business Law Topics: Pr: Admission to graduate program, or Management major or minor in term of graduation. BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.

BUL 5810 BA-ACTT 3(3,0)
Legal and Social Environment of Business: Pr: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. Occasional.

CAP 4053 ECS-CS 3(3,0)
AI for Game Programming: Pr: COP 3502C with a grade of "C" (2.0) or better and COP 3960. Curriculums 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 3502C and MAC 1114C both with a grade of "C" (2.0) or better. COP 3960 Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commoddy graphics hardware, and graphics API. Occasional.

CAP 5055 ECS-CS 3(3,0)
For all Game Programming: Pr: CS Foundation Exam or EEL 4515C 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 approval of the Director of the Software Engineering Certificate Program. Focuses on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. Fall.

CAP 5415 ECS-CS 3(3,0)
Computer Vision: Pr: COP 3503C, MAC 2312 and COP 3960. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

CAP 5510 ECS-CS 3(3,0)
Bioinformatics: Pr: Background in programming language or molecular biology. This course introduces problems, concept of knowledge representation, and some solutions in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.

CAP 5512 ECS-CS 3(3,0)
Evolutionary Computation: Pr: CAP 4630 or COP 3503C or C.I. This course covers the field of evolutionary computing, focusing on the theory and application of genetic algorithms. Spring.

CAP 5610 ECS-CS 3(3,0)

CAP 5636 ECS-CS 3(3,0)

CAP 5725 ECS-CS 3(3,0)
Computer Graphics I: Architecture of graphics processors, display hardware, principles of programming and display software; problems and applications of graphic systems. Spring.

CAP 5738 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. 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 well their hypotheses match with their analysis. Fall, Spring.

CCE 4003 ECS-CECE 3(3,0)
Introduction to the Construction Industry: Pr: GEN 3113, GEN 3210 all with a grade of "C" (2.0) or better. Project delivery systems, project construction 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.

CCE 4034 ECS-CECE 3(3,0)
Construction Estimating and Scheduling: Pr: CCE 4003 with a grade of "C" (2.0) or better. Construction project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. Fall.

CCE 4402 ECS-CECE 3(3,0)
Construction Equipment and Productivity: Pr: CCE 4003 and CCE 3490 both with a grade of "C" (2.0) or better. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. Spring.

CCE 4810C ECS-CECE 3(2,2)
Construction Design Project: Pr: CCE 4034, CCE 4004, CCE 4813 all with a grade of "C" (2.0) or better, and department consent; CR: CCE 4402. The preparation and development of a proposal and plan for a construction project, including construction engineering systems, site facilities, construction methods, coordination, leadership, and control. Fall, Spring.

CCE 4813 ECS-CECE 4(4,0)
Mechanical and Electrical Systems for Buildings: Pr: CCE 4034, PHY 2042C, CWR 3001 all with grades of "C" (2.0) or better. Design and construction of mechanical and electrical systems for buildings.

CCE 5006 ECS-CECE 3(3,0)
Infrastructure Systems Management: Pr: CCE 3004 and CET 4004. Administration of decision-making theories, data representation for decision analysis, advanced methods in decision-making, and applications of decision support systems in infrastructure management. Fall, Spring.

CCE 5220 ECS-CECE 3(3,0)
Sustainable Infrastructure Systems: Pr: STA 3032. Introduce the principles of sustainability as they relate to the built environment and infrastructure systems; sustainability metrics; life cycle assessment; resilience; green building principles. Spring.

CCJ 3014 HPA-CJ 3(3,0)
Crime in America: Pr: Sophomore standing and ENC 1102. A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of criminal behavior. Fall, Spring.

CCJ 3624 HPA-CJ 3(3,0)
Crimal Justice System: Pr: Sophomore standing and ENC 1102. An examination of the components and their interdependence in light of their traditional autonomy. Fall, Spring.

CCJ 3450 HPA-CJ 3(3,0)
The Criminal Justice Manager: Pr: CCJ 3024 or C.I. Elements of first-line supervision and executive development. Administrative leadership; its nature; methods, and traits. Recent theories and research in leadership. Occasional.

CCJ 3451 HPA-CJ 3(3,0)
Justice System Technology: Pr: CCJ 3024 or C.I. Compatibility of the relevant scientific and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.

CCJ 3483 HPA-CJ 4(4,0)
Labor Relations in Criminal Justice: Pr: CCJ 3004 and CCJ 3490. CCJ. Examine the role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. CCJ.

CCJ 3667 HPA-CJ 3(3,0)
Victims and the Criminal Justice System: Pr: CCJ 3024 or declared Victim Advocacy Certificate or C.I. Course examines Victims as they affect the Criminal Justice system, the dimensions of criminal victimization, and victim offender programs. Occasional.
CCJ 4035  HPA-CJ  3(3,0)
Crime and the Media: PR: CCJ 3024 or C.I. Explore how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system. Fall, Spring.

CCJ 4054  HPA-CJ  3(3,0)
Criminal Justice Ethics: PR: Junior Standing. Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.

CCJ 4064  HPA-CJ  3(3,0)
Criminal Justice Dimensions of Genocide: PR: CCJ 3014 or C.I. Elements of Criminal Justice approach to genocide, including theories, precursors, case studies, organization, legal outcomes, and criminal justice majors' roles in studying and preventing genocide. Occasional.

CCJ 4076  HPA-CJ  3(3,0)
Crime Intelligence and Investigative Support Analysis: PR: Junior Standing. Provides an understanding of basic crime intelligence and investigative support analytical tools and information management systems employed to assist law enforcement. Occasional.

CCJ 4129  HPA-CJ  3(3,0)
Cultural Diversity in Criminal Justice: PR: CCJ 3024 or (declared Victim Advocacy Certificate & Junior Standing) or C.I. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. Occasional.

CCJ 4195  HPA-CJ  3(3,0)
Interviews & Interrogations in CJ: PR: CCJ 3024 or Criminal Profiling or Crime Scene Investigation certificate declared & Junior standing) or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the rules of judicial evidence. Fall, Spring.

CCJ 4296  HPA-CJ  3(3,0)
Famous Crimes & Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. Occasional.

CCJ 4361  HPA-CJ  3(3,0)
Death Penalty: PR: Sophomore standing and ENC 1102. The death penalty and students' opinions are analyzed and discussed. Issues surrounding the death penalty and the criminal justice system. Occasional.

CCJ 4641  HPA-CJ  3(3,0)
Organized Crime: PR: Sophomore standing and ENC 1102. The study of organized crime, including structures, history and activities, and issues surrounding efforts to define and control it. Occasional.

CCJ 4644  HPA-CJ  3(3,0)

CCJ 4651  HPA-CJ  3(3,0)
Drugs and Crime: PR: Sophomore standing and ENC 1102. This course examines 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(3,0)
Women and Crime: PR: Sophomore standing and ENC 1102. This course covers women in criminal justice as offenders and prisoners, as well as crime victims and professionals working in the system. Occasional.

CCJ 4777  HPA-CJ  3(3,0)
Human Rights and Criminal Justice: PR: CCJ 3024 or (declared 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(3,0)

CCJ 4690  HPA-CJ  3(3,0)
Sex Offenders and the Criminal Justice System: PR: Junior standing and CCJ 3024 and CJ majors or (Junior standing and Criminal Profiling or Victim Advocacy certificate declared) or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.

CCJ 4694  HPA-CJ  3(3,0)
Human Trafficking in the Criminal Justice System: PR: CCJ 3024 or C.I. Human trafficking from the global, national and local criminal justice perspectives. Occasional.

CCJ 4701  HPA-CJ  3(3,0)
Research Methods in Criminal Justice: PR: CCJ 3014 and CCJ 3024, or C.I. Overview of the social science methodology used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. Fall, Spring.

CCJ 4746  HPA-CJ  3(3,0)
Data Analysis for Criminal Justice: PR: CCJ 4701 and a grade of "C" (2.0) or better in MAC 1105 or MAC 3223C or ENF 3116 or higher-level math class, or AA Degree, 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(1-3,0)

CCJ 5015  HPA-CJ  3(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.

CCJ 5456  HPA-CJ  3(3,0)
The Administration of Justice: PR: Admission to Criminal Justice graduate program, graduate certificate program, or C.I. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processing of offenders by criminal justice agencies. Fall, Spring.

CCJ 5931  HPA-CJ  3(3,0)
Contemporary Criminal Justice Strategies: PR: Graduate standing or C.I. Graduate level analysis of contemporary criminal justice issues and the reactions of the criminal justice system to combat those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

CCJ 5934  HPA-CJ  1(1,0)
Criminal Justice Investigative Process: PR: Graduate standing or C.I. Advanced seminar providing students with a broad view of how the criminal justice investigative process operates. Focus on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

CDA 3103C  ECS-CS  3(3,1)
Computer Logic and Organization: PR: COP 3223C with a grade of "C" (2.0) or better; CR: COT 3101C or HMP 3932 or MAD 2104. Design logic, computer arithmetic, Instruction Set Architecture (MIPS, SPIN simulator), performance, data path, control unit, memory hierarchy, I/O interface. Fall, Spring.

CDA 5106  ECS-CS  3(3,1)
Advanced Computer Architecture: PR: EEL 4760C. Modern processor design, instruction-level parallelism, thread-level parallelism, memory hierarchy, and I/O. Fall, Spring.

CDA 5110  ECS-CS  3(3,0)
Parallel Architecture and Algorithms: PR: COT 4210, CDA 5106. General-purpose vs. special-purpose parallel computers; aspects of programming; shared-memory; taxonomy; parallelization techniques; communication synchronization and granularity; parallel data structures; automatic program restructuring. Occasional.

CEG 4011C  ECS-CECE  4(3,2)
Geotechnical Engineering I: PR: EGN 3330C or C.I. This course covers analysis of the soils and stress-strain relationships associated with geotechnical engineering problems. Fall, Spring. M&S fee $21.00.

CEG 4012  ECS-CECE  3(3,0)
Geotechnical Engineering II: PR: CEG 4011C with a grade of "C" (2.0) or better. Consolidation, shear strength, earth pressures and retaining walls, bearing capacity, foundation considerations, and slope stability. Fall, Spring.

CEG 4801C  ECS-CECE  3(2,2)
Geotechnical Engineering Design: PR: CEG 4012 with a grade of "C" (2.0) or better and department consent. Project course on design of foundations and other soil structures using geotechnical design methodologies. Fall, Spring. M&S fee $14.00.

CEN 3624  ECS-ECSE  3(3,0)
Software Development I: PR: COP 3330 or C.I. Software development concepts are introduced in the context of hands-on project implementation. SDL, version control, design with UML, documentation, testing, 2-tier and 3-tier architecture, Spring.

CEN 4025  ECS-ECSE  3(3,0)
Software Development II: PR: CEN 3624 or C.I. A continuation of Software Development I with larger and more complex projects. Enterprise-level applications are covered including distributed and web-based systems using n-tier architecture. Fall.

CEN 4333  ECS-ECSE  3(3,0)

CEN 4350  ECS-ECSE  3(3,0)
Open Source Web Technologies: PR: COP 3330 or C.I. Web application development using currently popular open-source/standard tools. User interface, the business layer, database, and deploying to the web-server. Spring.

CEN 4360  ECS-ECSE  3(3,0)
Mobile Device Software Development: PR: COP 3330 or C.I. Concepts and practice of software development for mobile devices. User interface, data persistence, data communication, use of APIs for sound, mapping, GPS, sensors, etc. Fall.

CEN 4370  ECS-ECSE  3(3,0)

CEN 4802  ECS-ECSE  3(3,0)
Software Integration, Configuration, and Testing: PR: CEN 3624 or equivalent or C.I. Addresses technologies and issues associated with integration of software subsystems and components into one system to ensure that the subsystems function together. Fall.

CEN 4910  ECS-ECSE  3(3,0)
Software Development Project: PR: CEN 4025 or C.I. A software development project using the skills acquired through software development courses. Students develop a software system, simulating an industry experience. Spring.
CEN 5016 ECS-CS 3(3,0) Software Engineering: PR: COP 4331C. Application of formal engineering design techniques, methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.

CEN 4100C ECS-CECE 4(3,3) Structural Analysis I and Lab: PR: EGN 3331C and CGN 3405 both with grades of "C" (2.0) or better. Topics in structural mechanics, analysis of determinate and indeterminate structures by flexibility and stiffness methods; computer and laboratory exercises on behavior of structures and materials. Fall. Spring. M&S fee $21.00.

CEN 4205 ECS-CECE 3(3,0) Structural Mechanics: PR: EGN 3331C and EGN 3343 both with grades of "C" (2.0) or better. Advanced mechanics of materials applied to civil structural systems, elasticity, torsion, inelastic bending, failure theory for concrete and soils, compatibility, equilibrium, and energy methods. Spring.

CEN 4605 ECS-CECE 3(3,0) Steel Structures: PR: CEN 4100C with a grade of "C" (2.0) or better. Design of structural steel members and buildings; emphasis on AISC-ASD building code; introduction to AISC-LRFD building code; tension and compression members, beams, beam-columns, connections. Fall. Spring.

CEN 4702 ECS-CECE 3(3,0) Reinforced Concrete Structures: PR: CEN 4100C with a grade of "C" (2.0) or better. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Fall. Spring.

CEN 4743C ECS-CECE 3(2,2) Structural Design: PR: CEN 4605 and CEN 4702 both with grades of "C" (2.0) or better. Design of RC members; elastic analysis; stress analysis and control at the member and system level. Fall. Spring. M&S fee $24.00.

CEN 5144 ECS-CECE 3(3,0) Matrix Methods for Structural Analysis: PR: CEN 4100C or C.I. Implementation of the matrix methods for structural analysis that are commonly and currently used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. Even Fall.

CEN 5325 ECS-CECE 3(3,0) Bridge Engineering: PR: CEN 4605 and CEN 4702 or C.I. Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges; AASHO specifications, Bridge rating, and introduction to Bridge health monitoring. Occasional.

CEN 5506 ECS-CECE 3(3,0) Advanced Steel Structures: PR: CEN 4605. Behavior and design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stability of compression members, laterally unsupported beams, frames, and beam columns. Occasional.

CEN 5706 ECS-CECE 3(3,0) Advanced Reinforced Concrete: PR: CEN 4702 or C.I. Design of frames, two-way floor systems, shear walls, shear and torsion; compression field theory; inelastic analysis; wind and seismic design; introduction to prestressed concrete. Occasional.

CEN 5821 ECS-CECE 3(3,0) Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.

CET 3010 ECS-ECS 3(3,0) Introduction to Information Technology: PR: MAC 1105C. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. Fall. Spring.

CET 3383 ECS-ECS 3(3,0) Applied Systems Analysis I: PR: Applied programming course or C.I. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. Spring.

CET 4427 ECS-ECS 3(3,0) Applied Database I: PR: Approved programming course or C.I. An introductory level course in relational database systems within the concept of central administration, structured data storage. Project-oriented. Fall.

CET 4483 ECS-ECS 3(3,0) Intro to Local Area Network Technology: PR: Approved programming course or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. Spring.

CET 4505 ECS-ECS 3(3,0) Introduction to the Application of Operations Research: PR: CET 2364. Modifying the systems to support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. Fall.


CET 4748 ECS-ECS 3(3,0) Wide Area Networks: PR: CET 4483 or C.I. Designing Wide Area Networks; determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results. Fall.


CGN 3405 ECS-CECE 3(3,0) 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 common Civil and Environmental Engineering problems using linear algebra, interpolation, differentiation and integration, nonlinear systems, ODES and IVPs, and linear programming. Fall. Spring.

CGN 3501C ECS-CECE 3(2,3) Civil Engineering Materials: PR: A grade of "C" (2.0) or better in EGN 3311C and in CHS 1440 or CIV/HAR 2045C or CIV/HAR 2046C. The characteristics of materials used in civil engineering works to include concrete, bituminous polymers and composite materials. Fall. Spring. M&S fee $30.00.

CGN 3700C ECS-CECE 2(2,2) Civil Engineering Measurements: PR: MAC 2312 and PHY 2040C both with a grade of "C" (2.0) or better. Engineering measurement, data analysis, and experimental hardware including electronics, system components, and calibration. Specific applications in civil engineering including surveying, GPS, and GIS Fall. Spring. M&S fee $30.00.

CGN 4808C ECS-CECE 3(2,2) CECE Capstone Design: PR: CET "C" (2.0) or better in a previous CECE design course and department consent. An interdisciplinary capstone design course 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-CECE 3(3,0) Advanced Pavement Design & Civil Engineering Materials: PR: CGN 3501C, CES 4011C. Geotechnical and civil engineering materials such as aggregate, Portland cement, and concrete. In addition, mechanics, modeling, analysis, and design of those materials will be included. Occasional.


CGS 1060C ECS-CE 3(2,2) Introduction to Computers: 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.

CGS 2585C ECS-CE 3(2,1) 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 multimedia, introduction to javascript, forms and CSS scripts, introduction to java script. Fall. Spring.

CGS 3269 ECS-CE 3(3,0) Introduction to Computers: 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 multimedia, introduction to javascript, forms and CSS scripts, introduction to java script. Fall. Spring.

CGS 4329 ECS-CE 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, current computer architectures, network file servers. Fall. Spring.

CGS 3763 ECS-CE 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-CE 3(3,0) Computer Forensics I: Seizure and Examination of Computer Systems: PR: Computer literacy and C.I. Legal issues regarding seizure and chain of custody. Technical issues in acquiring computer evidence. Popular file systems are examined. Reporting issues in the legal system. Fall. M&S fee $50.00

CHI 1120C CAH-LANG 4(3,1) Elementary Chinese Language and Civilization I: PR: Consent of instructor. Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall.

CHI 1120H CAH-LANG 4(4,0) Honors Elementary Chinese Language and Civilization I: PR: Permission of Instructor. Introduces the student to Chinese culture through the major language skills: Listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level content. Occasional.


CHM 2049L COS-CHEM 1(0,3) Electrochemistry: PR: or CR: CHM 3411. Continuation of CHM 3120. Experimental exercise of analytical methods and techniques is emphasized through applications of electrochemical and instrumental methods of analysis. Student must attend the first laboratory session to receive credit. Fall. M&S fee $70.00.

CHM 3210L COS-CHEM 1(0,3) Organic Laboratory Techniques I: PR: CHM 2211, and PR: or CR: CHM 3120. Experimental laboratory exercise of quantitative methods of analysis using titrimetric, gravimetric, potentiometric and photometric methods of analysis involving both inorganic and organic systems. Fall. M&S fee $70.00.

CHM 3120L COS-CHEM 1(0,3) Organic Laboratory Techniques II: PR: CHM 2211, and CR: CHM 3121. Experimental laboratory exercise of qualitative methods of analysis involving infrared, visible and ultraviolet spectrometry. Fall. M&S fee $70.00.

CHM 3410L COS-CHEM 1(0,3) Physical Organic Chemistry Laboratory: PR: CHM 3410, PHYS 2049, and MAC 2312. Experimental exercise of quantitative methods of analysis using infrared and ultraviolet spectrometry, and chemical bonding. Fall. M&S fee $70.00.

CHM 3121L COS-CHEM 2(0,6) Organic Laboratory Techniques II: PR: CHM 2211, and CR: CHM 3121. Experimental exercise of quantitative methods of analysis using infrared, visible and ultraviolet spectrometry. Fall. M&S fee $70.00.

CHM 3120L COS-CHEM 1(0,3) Analytical Chemistry Laboratory: PR: CHM 3120, and CR: CHM 3120. Experimental exercise of quantitative methods of analysis using infrared and ultraviolet spectrometry. Fall. M&S fee $70.00.

CHM 3120L COS-CHEM 1(0,3) Analytical Chemistry Laboratory: PR: CHM 3120, and CR: CHM 3120. Experimental exercise of quantitative methods of analysis using infrared and ultraviolet spectrometry. Fall. M&S fee $70.00.

CHM 3210L COS-CHEM 1(0,3) Analytical Chemistry Laboratory: PR: CHM 3120, and CR: CHM 3120. Experimental exercise of quantitative methods of analysis using infrared and ultraviolet spectrometry. Fall. M&S fee $70.00.

CHM 3411L COS-CHEM 3(0,0) Physical Chemistry Laboratory: PR: CHM 3410. Continuation of CHM 3410. Spring. M&S fee $45.00.

CHM 3411L COS-CHEM 3(0,0) Physical Chemistry Laboratory: PR: CHM 3410. Continuation of CHM 3410. Spring. M&S fee $45.00.

CHM 3411L COS-CHEM 3(0,0) Physical Chemistry Laboratory: PR: CHM 3410. Continuation of CHM 3410. Spring. M&S fee $45.00.

CHM 3422L COS-CHEM 3(0,0) Applied Physical Chemistry: PR: PHY 2049C and MAC 2312. Physical chemistry as applied to the study of biological and forensic science. Fall.
CHM 5508 COS-CHEM 3(3.0)
Advanced Physical Chemistry: CR: CHM 3411 and PR: 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 4010 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHS 1440 COS-CHEM 4(3.1)
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, equilibrium, electrochemistry and thermodynamics. The "NC" grading policy applies to this course. Fall, Spring.

CHS 3501 COS-CHEM 3(3.0)
Introduction to Forensic Science: PR: 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. Spring.

CHS 3505C COS-CHEM 4(2.6)
Forensic Microscopy: CR: C.I. Grade of C or better in CHS 3501 and CHS 3506L, and OC: PR: C.I. CHS 3501. The study of the polarized light microscope and its use in the identification of body fluids and comparison of trace evidence. Fall. M&S fee $69.00

CHS 3511C COS-CHEM 4(2.6)
Trace Evidence: PR: C.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 3514C COS-CHEM 3(2.3)
Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analyzing evidence from a post blast bombng crime scene. May be repeated for credit. Occasional.

CHS 3530C COS-CHEM 4(3.3)
Forensic Analysis of Controlled Substances: PR: C.C. grade or better in CHM 2211, or PR: CR: CHS 3505C & CHM 3120, or C.I. Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall. M&S fee $60.00

CHS 3533 COS-CHEM 2(2.0)
Forensic Biochemistry I: CR: C.C. grade or better in PCB 3063 and PCB 3233. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.

CHS 353L3 COS-CHEM 1(0.3)
Forensic Biochemistry I Laboratory: PR: C.C. grade or better in BSC 2010C, PCB 3063, PCB 306L, PCB 3233, PCB 3235L and PR: or CR: CHS 3533. Concepts and procedures of forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall. M&S fee $70.00

CHS 3540C COS-CHEM 2(1.3)
Fire and Debris Analysis I: PR: CHM 3120 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.

CHS 3595 COS-CHEM 3(3.0)
Forensic Science in the Courtroom: PR: C.R: 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 3949 COS-CHEM 0(0.8)
Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry, Gradled SU. May be repeated for credit. Occasional.

CHS 4506C COS-CHEM 3(2.3)
Forensic Investigation Technology: PR: A grade of C or better in CHS 3515C and 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 4536C COS-CHEM 3(1.6)

CHS 4537 COS-CHEM 2(2.0)
Forensic Laboratory Quality Assurance: PR: Grade of C or better in CHS 3501, CHS 3505C, and CHS 3533 or C.I. Concepts and principles of quality assurance and quality systems management in forensic laboratories. Fall.

CHS 4541C COS-CHEM 2(1.3)
Fire and Debris Analysis II: PR: CHS 3540C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.

CHS 4591 COS-CHEM 2(4.0)
Forensic Science: PR: Senior status. Concepts and principles of quality assurance and quality systems management. May be repeated for credit. Fall, Spring.

CHS 4615 COS-CHEM 3(3.0)
Environmental Chemistry I: 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 transport, 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.

CHS 5507 COS-CHEM 3(3.0)
Chemometric Applications in Forensic Science: PR: CHS 3504 or C.I. Modern methods of evaluating and interpreting evidential value of forensic data from physical evidence, including fibers, glass, ignitable liquids and others. Odd Spring.

CHS 5518 COS-CHEM 3(3.0)
The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic Science, graduate status, or C.I. This course will cover the nature of Digital Evidence collection and examination under the constraints of Law and courtroom procedures. Occasional.

CHS 5596 COS-CHEM 3(3.0)
The Forensic Expert in the Courtroom: PR: CHS 3533, CHS 6535, CHS 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. Even Spring.

CIS 3003 ECS-CS 3(3.0)

CIS 3532 COS-CS 3(3.0)

CIS 3921 ECS-CS 1(1.0)
Careers in IT: PR: COP 3223C and IT major. An overview of the IT field, job opportunities and careers in information technology, detailed information about some jobs as well as a broad survey. Fall, Spring.

CIS 3990 ECS-CS 0(0.0)
IT Career and Academic Advising I: PR: PHY 2053C and IT major. Mandatory meeting with students and their faculty advisor for career/academic advising. Fall, Spring.

CIS 4004 ECS-CS 3(3.0)
Web-Based Information Technology: PR: CNT 3004 and COP 3330 each with grades of C (2.0) or better. Web programming, computation, HTTP, HTTP/1.1, HTML, Hypermedia Markup Language, JavaScript, and CSS. Spring.

CIS 4203C ECS-Eecs 3(2.2)
Digital Forensics: PR: (COP 4600 or CGS 3763) and (CIS 3360 or CIS 3362) or C.I. Operating system forensic, digital image forensics, networking forensics, various digital devices forensics. User activity profiling and digital storage recovery. Fall.

CIS 4361 ECS-CS 3(3.0)
Secure Operating Systems and Administration: PR: CIS 3360 with a grade of C (2.0) or better. Operating system, process, memory, protection, scheduling, and auditing software, software reverse engineering. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. Occasional.

CIS 4524 ECS-CS 3(3.0)
Managing IT Integration: PR: CIS 3003 with a grade of C (2.0) or better. Requirements, acquisition and sourcing. Integration. Project management. Testing and QA. Organizational context. Architecture. Spring.

CIS 4615C ECS-CS 3(3.1)
Secure Software Development and Assurance: PR: (COP 4600 or CGS 3763) and (CIS 3360 or CIS 3362) or C.I. Common criteria of security and assurance, secure software engineering, analyzing and auditing software, software reverse engineering. Occasional.

CIS 4940C ECS-Eecs 3(1.3)
Topics in Cybersecurity: PR: CIS 3360 or C.I. A directed and supervised investigation of selected problems, issues, and trends in cybersecurity, with emphasis on laboratory simulations of system penetration methods and network defense strategies. Spring.

CIS 4991 ECS-CS 0(0.0)
IT Career and Academic Advising II: PR: CIS 3990 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Fall, Spring.

CJC 3134 PA-CJ 3(3.0)
Propositions and juries: PR: CJC 3101. An overview and analysis of issues in institutional corrections, focusing on prison and jail history, inmates, guards, administration and management, and programming. Occasional.
UCF Courses and Descriptions

CJC 3164  HPA-CJ  3(3.0)
Community-Based Corrections: PR: CCJ 3024 and CJC 3010 or C.I. An overview and analysis of correction interventions and treatment programs in the community. Occasional.

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 institutions 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. Porfolio an overview of correctional processes in U.S., including philosophical foundations and contemporary practices. Occasional.

CJE 3001  HPA-CJ  3(3.0)
Careers in Criminal Justice: PR: Sophomore Standing and ENC 1102. Introductory course with focus on components of the Criminal Justice process, law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. Fall, Spring.

CJE 3444  HPA-CJ  3(3.0)

CJE 3662  HPA-CJ  3(3.0)
CJ Information Technology and Data Management: PR: (Sophomore Standing and GGS 108C) or C.I. Designed to familiarize with concepts of database systems, and apply to crime analysis. Occasional.

CJE 4012  HPA-CJ  3(3.0)
Criminal Profiling in Criminal Justice: PR: CCJ 3014 or (Criminal Profiling or Crime Scene Investigation Certificate declared and Junior Standing) or C.I. Examines the practice of criminal profiling and its application in law enforcement and criminal investigations. Occasional.

CJE 4014  HPA-CJ  3(3.0)
Police and Society: PR: CCJ 3024 or C.I. An examination of the role of the police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.

CJE 4174  HPA-CJ  4(4.0)
Comparative Justice Systems: PR: CCJ 3024 and CJC 3010 or C.I. A survey of contemporary foreign criminal justice systems and differences emerging from various political, cultural and legal systems. Occasional.

CJE 4352  HPA-CJ  3(3.0)
Policy Development in Law Enforcement: PR: Sophomore Standing and ENC 1102. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. Occasional.

CJE 4410  HPA-CJ  3(3.0)
Community Policing: PR: Sophomore Standing and ENC 1102. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. Occasional.

CJE 4572  HPA-CJ  3(3.0)
Justice Agency Operations: PR: CCJ 3024 or C.J. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. Occasional.

CJE 4610  HPA-CJ  3(3.0)
Criminal Investigation: PR: CJE 4014 or (Criminal Profiling or Crime Scene Investigation certificate declared) or C.I. Course acquaints students with basic procedures used in Criminal investigations, purpose of investigations, and ingredients for successful investigations. Fall, Spring.

CJE 4630  HPA-CJ  3(3.0)
Serial Murder and Criminal Justice: PR: Junior Standing and ENC 1102 or C.I. Study of extent, types, and explanations of serial murder and responses of the general public, law enforcement, and prosecution. Occasional.

CJE 4654  HPA-CJ  3(3.0)
Crime and Place: PR: CCJ 3024 or (Crime Analysis and Crime Mapping Certificate declared and Junior Standing) or C.I. Provides an understanding of how physical environmental features influence crime event. Occasional.

CJE 4663  HPA-CJ  3(3.0)

CJE 5021  HPA-CJ  3(3.0)
Foundations of Law Enforcement: PR: Admission to Criminal Justice graduate program, graduate certificate program, or C.I. Examines the role and influence of law enforcement. Occasional.

CJL 3110  HPA-CJ  3(3.0)
Criminal Law in Action: PR: Sophomore Standing and ENC 1102. Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.

CJL 3510  HPA-CJ  3(3.0)
Prosecution and Adjudication: PR: CCJ 3024 or C.I. Examination of structure of courts, prosecutors and office trial courts, and the processes of charging, adjudicating, and sentencing defendants. Fall, Spring.

CJL 4010  HPA-CJ  3(3.0)
Legal Aspects of Policing: PR: CJE 4014. The legal dimensions of police decision-making stages. including stops and frisks; arrests; searches and seizures; stops and frisks; and, interrogations. Occasional.

CJL 4046  HPA-CJ  3(3.0)
Liability Issues in Criminal Justice: PR: CCJ 3024 or C.I. Student of fundamental concepts found in civil law with an emphasis on civil liability regarding criminal justice practices. Occasional.

CJL 4410  HPA-CJ  3(3.0)
Legal Aspects of the Criminal Court Process: PR: CJC 3010 or C.I. An overview of the judicial process, the role of the legal system as a mechanism for the resolution of disputes, and the nature and purposes of the judicial process. Fall, Spring.

CJL 4914  HPA-CJ  3(3.0)
Criminal Sentencing: PR: CCJ 3024, CJC 3510. Examines the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. Occasional.

CJL 5049  HPA-CJ  6(6.0)
International Perspectives on Law and Justice: PR: C.I. or graduate standing. Examination of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. Occasional.

CJT 3803  HPA-CJ  3(3.0)
Security Management: PR: SCC 3311 or C.I. Examination of a global security management environment as impacted by downsizing a dramatically changing world force, religious extremism/terrorism, technological revolution and other challenges. Occasional.

CJT 3821  HPA-CJ  3(3.0)
Practical Security Applications: An examination of basic security principles applied to practical specific security situations encountered in the Central Florida area. Occasional.

CJT 4843  HPA-CJ  3(3.0)
Risk Management in Criminal Justice/Private Security: PR: SCC 3311 or C.I. This course examines the concept of risk management in a criminal justice context. Occasional.

CLP 3004  COS-PSYCH  3(3.0)

CLP 3143  COS-PSYCH  3(3.0)

CLP 3143H  COS-PSYCH  3(3.0)

CLP 3184  COS-PSYCH  3(3.0)
Women's Mental Health: PR: PSY 2012. Social and cultural factors of mental health issues and conditions that are unique to or primarily impact women in the U.S. today. Occasional.

CLP 3302  COS-PSYCH  3(3.0)
Clinical Psychology: PR: CLP 3143. An overview of the role of psychology in the legal system, including methods of clinical assessment and various approaches to individual and group counseling. Fall, Spring.

CLP 3413  COS-PSYCH  3(3.0)
Contemporary Behavior Therapy: PR: CLP 3143. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary therapy, including treatment strategies for particular behavior disorders. Occasional.

CLP 3467  COS-PSYCH  3(3.0)
Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 2012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. Occasional.

CLP 4134  COS-PSYCH  3(3.0)

CLP 4314  COS-PSYCH  3(3.0)
Health Psychology: PR: PSY 2012. Interactions between psychosocial and physical conditions, in prevention, diagnosis, intervention and health care delivery policy planning. Course will cover empirical findings for prevention, assessment and treatment approaches for these focal areas: cancer, chronic heart disease, diabetes, HIV disease, pain and stress. Occasional.

CLP 4390  COS-PSYCH  3(3.0)

CLP 5166  COS-PSYCH  3(3.0)
Advanced Abnormal Psychology: PR: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.

CLP 5187  COS-PSYCH  3(3.0)
Mental Health and Aging: PR: Graduate status or senior standing or C.I. Introduction to assessment and intervention issues, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.

CLT 3370  CAH-PHIL  3(3.0)
Classical Mythology: PR: Any HUM course or C.I. Myths of the Greeks & Romans studied through excerpts from ancient sources and experiences through works of art, literature, and music. Occasional.

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that creates the theories. To examine, the theories that have emerged and the research
that SP 1608, SP 1603C, COM 1000, or C.I. The variety of
networks and predict their behavior.

SP 1608, SP 1603C, COM 1000, or C.I. Theories and research about the role
communication plays in health. Fall.

COM 3110 COS-COMM 3(3,0)
Business and Professional Communication:
PR: I/O, Ad-PR, or R-TV Majors or I/O Com Minors only,
and one of the following: SP 1608, SP 1603C, or C.I.
Theoretical and practical training in effective presenational
speaking for business and professions. Fall.

COM 3111 COS-COMM 3(3,0)
Communication Research Methods: PR: STA
2014C and I-O Major or I-O Minor, or Human Communication
major or Human Communicationminor, or C.I. Research
methods used in communication. Understanding and
interpretation of original research emphasized. Fall.

COM 3320 COS-COMM 3(3,0)
Computer Mediated Communication: PR: CGS
1606C or CGS 2100C. Communicating through computers.
The foundations and applications of online and interactive
multimedia applications, including trends and limitations.
Spring.

COM 3406 COS-COMM 3(3,0)
Role of Motivation in Communication: PR or
CR: COM 3311, or C.I. Motivational theories that directly
affect the process of human communication. Occasional.

COM 3800 COS-COMM 3(3,0)
Conflict Communication Research Methods:
PR: Communication & Conflict major and either SP 1608,
or SP 1603C, or COM 1000, or C.I. Survey of research
methods used by conflict communication scholars;
emphasizes on approaches, methodologies, and
analyses used to inform the process of human conflict
communication. Fall.

COM 3801 COS-COMM 3(3,0)
Communication Theories of Interpersonal
Conflict: PR: CR: Communication & Conflict major and
COM 3800, or C.I. 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.

COM 3802 COS-COMM 3(3,0)
Communication & Conflict: PR: CR: Communication & Conflict major and COM 3800, or C.I.
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.

COM 3912 COS-COMM 3(3,0)
Collaborative Experiential Research
PR: Either SP 1608, SP 1603C, OR C.I. Students will work
as research assistants in a team, under faculty supervision,
and learn first-hand the process of conducting communication/social
research. May be used in the degree program a maximum
of 2 times. Occasional.

COM 4014 COS-COMM 3(3,0)
Gender Issues in Communication: PR: Junior
Standing, and one of the following: SP 1608, SP 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.

COM 4416 COS-COMM 3(3,0)
Terrorism and Communication: PR: One of
the following: SP 1608, SPC 1603C, 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. Occasional.

COM 4461 COS-COMM 3(3,0)
Intercultural Communication: PR: Junior Standing,
and one of the following: SP 1608, SP 1603C, or COM
1000 or C.I. Consent of Honors. How communication
processes, mass media, symbols, linguistic devices, e-terrorism, and theoretical
dimensions play a role in terrorism. How communities respond
to terrorist attacks. Occasional.

COM 4466H COS-COMM 3(3,0)
Honors Terrorism and Communication:
PR: One of the following: SP 1603C, or SP 1608, or COM
1000 or C.I. Study of variables affecting messages and
participants in intercultural contexts. Fall.

COM 4462 COS-COMM 3(3,0)
Conflict Management: PR: CR: COM 3311, or
C.I. The study of communication in everyday conflicts.
Fall.

COM 4550 COS-COMM 3(3,0)
Health Communication Campaigns: PR: COM
3311. Strategies and effects of health communication
campaigns aimed at informing and persuading audiences.
Spring.

COM 4803 COS-COMM 3(3,0)
Third Party Processes & Intervention: PR: or
CR: COM 3800. Identify components and skills in multiple
third party processes including mediation, arbitration, and
facilitation; build conflict management and process design
skills. Spring.

COM 4804 COS-COMM 3(3,0)
Conflict & Communication Context: PR: or
CR: Communication & Conflict major and COM 3800,
or C.I. Exploration of communication factors that contribute
to the development of conflict across groups, cultures
and societies. Fall.

COM 4805 COS-COMM 3(3,0)
Transformative Communication: PR: or CR:\nCOM 3800. Examines various western and non-western
belief/ethical systems, and how conflict may be perceived,
communicated and interpreted using metaphysical
approaches to conflict management. Fall.

COM 4806 COS-COMM 3(3,0)
Communication & Conflict Case Studies: PR:
Communication & 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.

COM 5312 COS-COMM 3(3,0)
Topics in Communication Theory and
Research: PR: Admission to Communication M.A.
program or C.I. In-depth examination of an area of
communication theory and research, emphasizing major
developments, current uses, implications for research,
and overall impact on the field. Occasional.
COP 2500C - ECS-CS - 4(3,1)
Concepts in Computer Science: Fundamental concepts in program design, data structures, algorithms, analysis of algorithms, and certain survey topics in CS. Not open to Computer Science majors. Fall, Spring.

COP 3223C - ECS-CS - 3(3,1)
Introduction to Programming with C: Programming in C including arrays, pointer manipulation and use of standard C math and I/O libraries. Fall, Spring.

COP 3223H - ECS-CS - 3(3,0)
Honors Introduction to Programming with C: Programming in C including arrays, pointer manipulation and use of standard C math and I/O libraries. With Honors content. Fall.

COP 3330 - ECS-CS - 3(3,0)
Object Oriented Programming: PR: COP 3223C or EGN 3211 with a grade of "C" (2.0) or better. Object oriented programming concepts (classes, objects, methods, encapsulating, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA, Fall, Spring.

COP 3402 - ECS-CS - 3(3,0)
Systems Software: PR: CDA 3103C and COP 3502C each with a grade of "C" (2.0) or better. Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

COP 3503C - ECS-CS - 3(3,1)
Computer Science I: PR: (COP 3222C or EGN 3211) and MAC 1105C each with a grade of "C" (2.0) or better. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Fall, Spring.

COP 3502H - ECS-CS - 3(3,0)
Honors Computer Science I: PR: Permission of Honors and (COP 3223C or EGN 3211) and MAC 1105C all with a grade fo "C" (2.0) or better. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Spring.

COP 3503C - ECS-CS - 3(3,1)
Computer Science II: PR: COP 3502C and COP 3330 and (MAD 2104 or COP 3100C) each with a grade of "C" (2.0) or better. Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and application techniques for studying large, evolving networks. Fall, Spring.

COP 4516C - ECS-CS - 3(1,3)
Problem Solving Techniques and Team Dynamics: PR: COP 3503C 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(3,0)
Concepts of Parallel and Distributed Processing: PR: COP 3402 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 analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4600 - ECS-CS - 3(3,0)
Operating System Design: PR: COP 3503C and COP 3600 (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 4400 - ECS-CS - 3(3,0)

COP 4500 - ECS-CS - 3(3,0)

COP 4710 - ECS-CS - 3(3,0)
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(3,0)
Frontiers in Information Technology: PR: CRT 4603 with a grade of "C" (2.0) or better; CRT 4703C and CIS 4861. Research into leading edge information technologies that have a high likelihood of affecting the work place in the two to five year time frame. Fall, Spring.

COP 4924 - ECS-CS - 3(3,0)
Senior Design I: PR: COP 3402 and COP 3503C each with a grade of "C" (2.0) or better and consent of Department of ECS. PR: ECS 4331C. 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(3,0)
Senior Design II: PR: COP 4034 with a grade of "C" (2.0) or better. 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(3,0)
Program Analysis: PR: COP 4200 and COP 4120 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(3,0)
Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.

COP 5611 - ECS-CS - 3(3,0)

COP 5621 - ECS-CS - 3(3,0)
Compiler Construction: PR: COP 4020 and COP 4120. 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(3,0)
Parallel and Distributed Database Systems: PR: COP 4710. Storage manager, implementation techniques for parallel DBMSs, distributed database architectures, distributed database design, query processing, multidatabase systems. Occasional.

COT 3100C - ECS-CS - 3(3,1)
Introduction to Discrete Structures: PR: MAC 1105C and MAC 1114C 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. Fall, Spring.

COT 3100H - ECS-CS - 3(3,0)
Honors Introduction to Discrete Structures: PR: Permission of Honors and MAC 1105C and MAC 1114C 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)
Capstone Examination: PR: COP 3502C and COP 3100C each with a grade of "C" (2.0) or better. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and approved by COP 4000 and 5000 level CS electives. Graded SU. Fall, Spring.

COT 4210 - ECS-CS - 3(3,0)
Discrete Structures II: PR: COP 3503C 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(3,0)

COT 4500 - ECS-CS - 3(3,0)

COT 4810 - ECS-CS - 3(3,0)
Topics in Computer Science: PR: COP 3402 and COP 3503C 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(3,0)

CPO 3034 - COS-POLS - 3(3,0)
Politics of Developing Areas: PR: INR 2002 or C.I. Comparative analysis of theories, problems and politics of development in Third World nations. Even Fall.

CPO 3057 - COS-POLS - 3(3,0)
Comparative Revolution and Political Violence: PR: ENC 1102 or POS 2041 or C.I. Governments and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. Spring.

CPO 3103 - COS-POLS - 3(3,0)
Comparative Politics: 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(3,0)
Canadian Studies: PR: POS 2041 or C.I. A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy. Occasional.

CPO 3403 - COS-POLS - 3(3,0)
Politics of the Middle East: PR: 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(3,0)
Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content Occasional.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>CPO 3614</td>
<td>COS-POLS: Politics of Eastern Europe: PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
<td>An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. Occasional.</td>
</tr>
<tr>
<td>CPO 4062</td>
<td>COS-POLS: Comparative Judicial Process: PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
<td>Study of courts and judges in cross national context. Focus upon judicial recruitment, decisional patterns, and policy outcomes. Occasional.</td>
</tr>
<tr>
<td>CPO 4074</td>
<td>Political Economy: 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.</td>
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</tr>
<tr>
<td>CPO 4101</td>
<td>Political of the European Union: PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
<td>Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. Spring.</td>
</tr>
<tr>
<td>CPO 4123</td>
<td>Government and Politics of Great Britain: PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
<td>A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain's foreign policy and European role will be discussed. Even Spring.</td>
</tr>
<tr>
<td>CPO 4303</td>
<td>Comparative Latin American Politics: PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
<td>Comparative analysis of politics, society and culture in Latin America and selected countries of the region. Even Fall.</td>
</tr>
<tr>
<td>CPO 4445</td>
<td>Comparative Political Parties: PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
<td>Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.</td>
</tr>
<tr>
<td>CPO 4514</td>
<td>Politics of East Asia: PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
<td>Major trends in political, economic, and socio-cultural aspects in the East Asian region. Occasional.</td>
</tr>
<tr>
<td>CPO 4541</td>
<td>Chinese Politics: PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
<td>China's political development since 1949. Occasional.</td>
</tr>
<tr>
<td>CPO 4553</td>
<td>Politics of Japan: PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>CPO 4643</td>
<td>Government and Politics of Russia: PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
<td>Study of the origins, institutions, and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy. Occasional.</td>
</tr>
<tr>
<td>CPO 4710</td>
<td>Women in Comparative Politics: PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
<td>A cross-national perspective on women and politics; how women behave politically in various political and economic contexts. Occasional.</td>
</tr>
<tr>
<td>CPO 4731</td>
<td>Politics of Democratization: PR: POS 2041 or ENC 1102 or INR 2002 or Junior standing or C.I.</td>
<td>3(3,0)</td>
<td>Develops comparative perspectives and analytical skills on issues of democratization and regime change. Occasional.</td>
</tr>
<tr>
<td>CPO 4754</td>
<td>Comparative Political Institutions: PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
<td>PR: ENC 1102 or POS 2041 or C.I. The course analyzes major types of political institutions from a comparative perspective including electoral laws, division of power, types of democracy, federalism, and the judiciary. Occasional.</td>
</tr>
<tr>
<td>CPO 4784</td>
<td>Political and Economic Inequality in Comparative Perspective: PR: ENC 1102 or POS 2041 or C.I. Economic and political inequality and the nature of the link between them across countries with different political and economic institutions. Occasional.</td>
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<tr>
<td>CPO 4794</td>
<td>Indigenous Politics and the Environment: PR: POS 2041 or C.I.</td>
<td>3(3,0)</td>
<td>PR: POS 2041 or C.I. Examines the political specifics to indigenous peoples around the world. Occasional.</td>
</tr>
<tr>
<td>CRW 3010H</td>
<td>CAH-ENG: Honors Creative Writing: PR: Consent of Honors. Theory and techniques of literary genres with honors level content; practice and critique of original writing by peers and critical reading of established authors. Occasional.</td>
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<td>CRW 3011</td>
<td>CAH-ENG: Creative Writing for Non-Majors: PR: Grade of C (2.0) or better required in ENC 1102. Only open to non-majors. The techniques of literary genres; the practice and critique of original work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3013. Fall,Spring.</td>
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<td>CRW 3013</td>
<td>CAH-ENG: Creative Writing for English Majors: PR: English major or minor and grade of C (2.0) or better required in ENC 1102 or C.I. Literary genres; practice and critique of peer writing; critical reading of established authors. Fall,Spring.</td>
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<td>CRW 3053</td>
<td>CAH-ENG: Theory &amp; Practice of Creative Writing: PR: English major or minor or grade of C (2.0) or better required in ENC 1102 or C.I. Theoretical readings in contemporary creative writing with attention to literary technique, and discussion of issues in the field. Fall,Spring.</td>
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<td>CRW 3120</td>
<td>CAH-ENG: Fiction Writing Workshop: PR: English major or minor; junior standing, and grade of C (2.0) or better required in CRW 3013 or CRW 3053, or C.I. An intermediate level fiction writing workshop for English majors; group analysis and critique; close reading of contemporary fiction and fiction theory. Fall,Spring.</td>
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<td>CRW 3121</td>
<td>CAH-ENG: Creative Nonfiction Writing: PR: English major or minor; junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Writers present original nonfiction writing for class response and individual conferences. Reading of key works of creative nonfiction with discussion of definitions of the genre. Fall,Spring.</td>
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<td>CRW 3130</td>
<td>CAH-ENG: Poetry Writing Workshop: PR: English major or minor; junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level poetry workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall,Spring.</td>
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<td>CRW 3131</td>
<td>CAH-ENG: Reading in Poem Writing for Creative Writing: PR: English minor or grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Intensive study of the structural characteristics of English, poetic, metrical systems, rhyme, scansion, and poetic rhetorical devices. Occasional.</td>
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<td>CRW 3540</td>
<td>CAH-ENG: Literary Magazines: PR: English major or minor and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Examination of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature. Occasional.</td>
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<td>CRW 3610</td>
<td>CAH-ENG: Writing Scripts: PR: English major or minor and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Theory and practice of writing scripts for film and TV. Fall,Spring.</td>
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<td>CRW 3713</td>
<td>CAH-ENG: Writing for Video Games: PR: English major or minor and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Basic theories and practices associated with game design. Students learn effective writing techniques for developing original video games. Occasional.</td>
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<td>CRW 3950</td>
<td>CAH-ENG: Unique Environmental Politics Specific to Florida: PR: C.I. Responsibility for indigenous peoples and the environment. May be used in the degree program a maximum of 2 times. Fall,Spring.</td>
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<td>CRW 4014</td>
<td>CAH-ENG: The Writing Life: PR: English major or minor, and grade of C (2.0) or better required in CRW 3103 and CRW 3310, or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.</td>
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<td>CRW 4122</td>
<td>CAH-ENG: Advanced Fiction Writing Workshop: PR: English major or minor and grade of C (2.0) or better required in CRW 3120, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall,Spring.</td>
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<td>CRW 4423</td>
<td>CAH-ENG: History of Prose Style: PR: English major or minor, and grade of C (2.0) or better required in CRW 3120, or C.I. Close study of prose style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.</td>
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<td>CRW 4424</td>
<td>CAH-ENG: Advanced Nonfiction Writing Workshop: PR: English major or minor, and grade of C (2.0) or better required in CRW 3120, or C.I. Close study of prose style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.</td>
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<td>CRW 4430</td>
<td>CAH-ENG: Advanced Poetry Writing Workshop: PR: English major or minor, and grade of C (2.0) or better required in CRW 3120, or C.I. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. Fall,Spring.</td>
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<td>CRW 4616</td>
<td>CAH-ENG: Advanced Scriptwriting Workshop: PR: English major or minor, and grade of C (2.0) or better required in CRW 3120, or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.</td>
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<td>CRW 4722</td>
<td>CAH-ENG: Editing for Creative Writers: PR: English major or minor, and grade of C (2.0) or better required in CRW 3120, or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.</td>
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<td>CRW 4724</td>
<td>CAH-ENG: The Florida Review: PR: English major or minor, and grade of C (2.0) or better required in CRW 3120, or C.I. Hands-on experience with all aspects of Florida Review publishing, editing, and production in conjunction with this national journal. May be used in the degree program a maximum of 2 times. Fall,Spring.</td>
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<td>CRW 4904</td>
<td>CAH-ENG: Creative Writing in the Community: PR: English major or minor, and grade of C (2.0) or better required in CRW 3120, or C.I. Teaching creative writing to community groups through service-learning. Occasional.</td>
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<td>CRW 5020</td>
<td>CAH-ENG: Graduate Writing Workshop: PR: Admission to Creative Writing MFA and C.I. Students will present their own work, receiving detailed analysis of its strengths and weaknesses from their fellow writers and from the teacher. May be used in the degree program a maximum of 5 times. Fall,Odd Spring.</td>
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UCF Courses and Descriptions

CWR 5130 CAH-ENG 3(3,0) Form and Theory in Creative Writing: PR: Admission to Creative Writing MFA or C.I. Formal and theoretical study of creative writing of given genres (poetry, short fiction, etc). May be used in the degree program a maximum of 3 times. Occasional.

CWR 5948C CAH-ENG 3(2,1) Creative Writing Service Learning: PR: Admission to Creative Writing MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.

CWR 3201 ECS-CECE 3(3,0) Engineering Fluid Mechanics: PR: MAP 2302, EGN 3310 both with a grade of "C" (2.0) or better; CIE-ENG 3211. Fundamentals of fluid mechanics with hydraulic applications: fluid properties, hydrostatics, dimensional analysis, energy, momentum, continuity, and steady flow. Fall, Spring.

CWR 4120 ECS-CECE 3(3,0) Hydraulics: PR: CWR 4202C and STA 3024 both with grades of "C" (2.0) or better. Occurrence, distribution, and properties of fresh water on Earth and movement via physical processes. Application of hydrology, fluid mechanics, and computation to water resources. Fall, Spring.

CWR 4124 ECS-CECE 3(3,0) Hydrogeology: PR: CWR 4202C and CEG 4011C both with grades of "C" (2.0) or better. Fundamentals of subsurface flow and transport, role of groundwater in the hydrological cycle, relation of groundwater flow to geological structure, and management of contaminated groundwater. Spring.

CWR 4202C ECS-CECE 3(3,2) Hydraulics: PR: CWR 3201 with a grade of "C" (2.0) or better. Application of basic principles of fluids at rest and in motion to analysis and design of hydraulic systems. Empirical relationships for practical engineering problems. Fall,Spring.

CWR 4632C ECS-CECE 4(3,0) Water Resources Engineering I: PR: STA 3024 and CWR 3201 both with a grade of "C" (2.0) or better. Descriptive and quantitative aspect of water in the earth's environment and its engineering implications, including analysis of surface water systems, design of hydraulic structures and stormwater management. Fall,Spring. M&S fee $21.00

CWR 4633C ECS-CECE 3(3,2) Water Resources Engineering II: PR: CWR 4632C with a grade of "C" (2.0) or better. Provision of advanced understanding of hydraulic, hydrologic river routing, open/closed channel, and groundwater hydraulic and some engineering applications of these concepts. Fall,Spring.

CWR 4812C ECS-CECE 3(2,2) Water Resources Design: PR: CWR 4120 with a grade of "C" (2.0) or better and department consent. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall,Spring. M&S fee $15.00

CWR 5125 ECS-CECE 3(3,0) Groundwater Hydrology: PR: CWR 4633C or C.I. Theory of groundwater genesis, groundwater flow, groundwater analysis and design techniques, etc. Emphasis on practical considerations. Occasional.

CWR 5205 ECS-CECE 3(3,0) Hydraulic Engineering: PR: CWR 4633C or C.I. Concepts of fluid mechanics and hydrodynamics applied to natural and man-made flow of intent to civil and environmental engineering. Occasional.

CWR 5515 ECS-CECE 3(3,0) Numerical Methods in Civil and Environmental Engineering: PR: CWR 4633C or C.I. This course will provide an introduction to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.

CWR 5545 ECS-CECE 3(3,0) Water Resources Engineering: PR: CWR 4633C or C.I. Systems identification and solution to complex water allocation problems, and other hydraulic engineering designs and operations using economic analysis and operations research techniques. Occasional.

CWR 5634 ECS-CECE 3(3,0) Water Resources in a Changing Environment: PR: CWR 4632C. To model and understand potential impact of climate change and human activities on hydraulic systems and various spatial and temporal scales. Odd Fall.

DAA 2000C CAH-THEA 2(2,2) Introduction to Theatre Dance: Basic ballet, tap, and jazz technique. Recommended for students with no formal dance training. May be used in the degree program a maximum of 2 times. Occasional.

DAA 2100C CAH-THEA 2(2,1) Modern Dance I: PR: Declared Theatre major or Dance minor and "C" (2.0) or better in DAA 2200C or department consent. Exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Fall.

DAA 2200C CAH-THEA 2(2,1) Ballet I: PR: Theatre major. Dance minor, or department consent. Fundamentals of classical ballet, includes practical dance work as well as dance history lectures. Fall.

DAA 2201C CAH-THEA 2(2,1) Ballet II: PR: Theatre major, Dance minor, or department consent. And C (2.0) or better required in DAA 2200C. Intermediate classical ballet technique, including principles, theory, and practice technique. Spring.

DAA 2300 ED-EHHS 2(2,0) Ballroom Dance: Instruction in selected ballroom dances (fox trot, waltz, tumba, swing, samba, cha cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. Fall,Spring.

DAA 2351 ED-EHHS 2(2,0) Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (mambo, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Fall,Spring.

DAA 2393C CAH-THEA 2(2,1) World Dance: PR: Theatre major or Dance minor, and "C" (2.0) or better in DAA 2200C or department consent. Theory and applied technique with focus on one form, such as African dance, Flamenco, Irish dance, Indian dance, etc. Occasional.

DAA 2502C CAH-THEA 2(2,1) Tap Dance I: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall.

DAA 2521C CAH-THEA 2(2,1) Tap Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2502C. Intermediate exploration of form, style, and technique of tap dance. Spring.

DAA 2570C CAH-THEA 2(2,1) Jazz Dance I: PR: DAA 2200C, and Theatre major, or Dance minor, or department consent. Basic movements of American Jazz dance, including practical class work and Jazz dance history. Fall,Spring.

DAA 2571C CAH-THEA 2(2,1) Jazz Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2570C. Intermediate Jazz dance using theory and practice in jazz technique. Spring.

DAA 3004L CAH-THEA 1(0,2) Dance Studio: PR: Theatre Major, Theatre Minor or Dance Minor and "C" (2.0) or better in any DAA course offered by the Theatre. Periodic attendance at departmental dance classes with individual instructors. Graded S/U. May be repeated for credit. Fall,Spring.

DAA 3208C CAH-THEA 2(2,1) Ballet III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2201C. Advanced classical ballet technique, including principles, theory, and practice technique. May be repeated for credit. Fall.

DAA 3508C CAH-THEA 2(2,1) Jazz Dance III: PR: Theatre major, Dance minor, or department consent, and "C" (2.0) or better required in DAA 2571C. Advanced study of jazz dance, using theory and practice of jazz technique. May be repeated for credit. Fall.

DAA 3524C CAH-THEA 2(2,1) Tap Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2521C. Advanced exploration of form, style, and technique of tap dance. May be repeated for credit. Fall.

DAA 3612 CAH-THEA 3(3,0) Dance Improvisation/Composition I: PR: DAA 2100C, Theatre major, Dance minor, or department consent. Theory and practice of dance composition. Spring.

DAA 3645 CAH-THEA 2(0,VAR) Choreography Practicum: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C. Student practice in choreographing a concert dance work for public performance. May be used in the degree program a maximum of 5 times. Spring.

DAA 3664 CAH-THEA 1(0,VAR) Dance Performance: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C and audition. Student performance in a concert dance work. May be repeated for credit. Spring. M&S fee $15.00

DAE 3370 ED-EHHS 1(1,2) Dance and Rhythms: The development of skill proficiency and instructional strategies in rhythms and dance techniques, and fundamental movement patterns for grades K-12. Occasional.

DAN 3134 CAH-THEA 3(3,0) Dance History: PR: ENC 1101 or any 2000-level History course or C.I. The roots, trends, and styles of dance from prehistory through the early 20th century. Fall.


DEP 3202 COS-PSYCH 3(3,0) Psychology of Exceptional Children: PR: PSY 2012. Psychological problems of exceptional children, including diagnosis, associated emotional problems, effects of institutionalization, special class placement, attitudes, and appropriate intervention methods. Occasional.

DEP 3464 COS-PSYCH 3(3,0) Psychology of Aging: PR: PSY 2012. An examination of basic psychological processes related to the aging process, with emphasis on the applied implications of changes in perceptual-motor, social emotional and cognitive-intellectual functioning. Occasional.

DEP 5057 COS-PSYCH 3(3,0) Developmental Psychology: PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors. Spring.

DIG 2000 CAH-SYSD 3(3,0) Introduction to Digital Media: PR: ENC 1101 and MAC 1105C. Introduction to history, principles, and processes associated with digital media and designing for digital media with emphasis on production and communication. Fall,Spring.

DIG 2109 CAH-SVAD 3(3,0) Digital Imaging Fundamentals: CR: DIG 2000. Introduces concepts and principles of image creation, and the tools and techniques of image capture, creation, manipulation, and integration for design concepts. Fall, Spring.


DIG 3003 CAH-SVAD 3(3,0) Adventures in Emerging Media: PR: ENC 1101. Examines the rules and culture of emerging media. The course is presented online in a non-linear "Choose your own adventure" format. Occasional.

DIG 3024 CAH-SVAD 3(3,0) Digital Cultures & Narrative: PR: DIG 2030, DIG 2109, DIG 2500, and a minimum grade of "B" (3.0) in DIG 2000. Understanding of digital cultures and narrative theory from an interdisciplinary perspective. Conceptual structure and design of visual and interactive storytelling. Fall, Spring.

DIG 3043 CAH-SVAD 3(3,0) Evolution of Video Games: PR: ENC 1101. Evolution of video games since the first game in the early 1960s to contemporary games. Fall, Spring.

DIG 3119 CAH-SVAD 3(3,0) Digital Tools and Technologies: Graphic Design: PR: Grade of "C" (2.0) or better in DIG 2000 or C.I. Composition, editing, and manipulation of digital imagery using Adobe Photoshop, including layering, typographic design, and working with images. Fall, Spring.


DIG 3153 CAH-SVAD 3(3,0) Writing for Digital Media: PR: Minimum grade of "B" (3.0) in DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of methods and fundamentals in the following areas: language theory, document design, markup languages and the editing process. Fall, Spring.

DIG 3171 CAH-SVAD 3(3,0) Tools for Digital Humanities: PR: ENC 1102 or C.I. Examination of digital tools and technologies, including web and games, used for projects and research in digital humanities. Occasional.

DIG 3253C CAH-SVAD 3(2,2) Digital Media Audio: PR: DIG 3480. Audio production processes for multimedia and new media production, including examination and use of audio and MIDI sequencing software. Fall, Spring.

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 artificial characters to convey story, thought, or concept in a visual medium. Fall, Spring.


DIG 3450 CAH-SVAD 3(3,0) Interactive Performance I: PR: Admission by audition only. Digital Media Design, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. Fall, Spring.

DIG 3450H CAH-SVAD 3(3,0) 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 content. Occasional.

DIG 3480 CAH-SVAD 3(3,0) 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. Development of interactive web sites using current scripting languages. Fall, Spring.

DIG 3525 CAH-SVAD 3(3,0) 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 and design; execution; group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.


DIG 3554 CAH-SVAD 3(3,0) Digital Tools and Techniques: Web Design: PR: Grade of "C" (2.0) or better in DIG 2000 or C.I. Creative and functional website design and development using Adobe Dreamweaver, including use of CSS, HTML, and incorporation of media and mobile design. Fall, Spring.

DIG 3563 CAH-SVAD 3(3,0) Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. Fall, Spring.

DIG 3716C CAH-SVAD 3(2,2) Internet Interaction: PR: DIG 3480. Front end planning and design of web pages; design and execution of web pages; style sheets and style sheet layers. Fall, Spring.

DIG 3811 CAH-SVAD 3(3,0) User-Centered Design: PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. Fall, Spring.


DIG 4104C CAH-SVAD 3(2,2) Web Design Workshop: PR: DIG 3134C, DIG 3716C, DIG 3563, and DIG 3811. Students will practice design and implementation of professional-quality websites. May be used in the degree program a maximum of 2 times. Fall, Spring.

DIG 4202C CAH-SVAD 3(2,2) Generating and Manipulating Digital Imagery: PR: DIG 2030, DIG 2109, and DIG 2500; or C.I. CR: DIG 3951. Core techniques for creating and manipulating second and third digital representations. Fall, Spring.

DIG 4206C CAH-SVAD 3(1,4) New Imagery in Motion Workshop: PR: DIG 4325C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. Spring.

DIG 4323C CAH-SVAD 3(1,4) Modeling for Visual Language: PR: DIG 441C or C.I. Application of techniques taught to model, rig, and prepare artificial characters so that they may be animated effectively and express narrative for digital production. Fall.


DIG 4325C CAH-SVAD 3(1,4) Look Modeling Workshop: PR: DIG 4780C and successful portfolio review, or C.I. Techniques, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting. Spring.

DIG 4326C CAH-SVAD 3(1,4) Mechanical Modeling Workshop: PR: DIG 4780C and successful portfolio review or C.I. Techniques and mechanics of designing and manipulating geometrical representations of artificial characters and their environments, introduction to procedural models. Spring.

DIG 4354C CAH-SVAD 3(1,4) Advanced 3D Animation: PR: DIG 4323C, successful portfolio review, or C.I. Advanced tools, concepts and techniques developed in the previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4359C CAH-SVAD 3(1,4) Artificial Environments and Effects Workshop: PR: DIG 3355C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on compositing, image processing, visual style, visual continuity. Spring.

DIG 4369C CAH-SVAD 3(1,4) Artificial Characters Workshop: PR: DIG 3362C and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on attitude in action, personality of character expressions, and bringing characters to life. Spring.

DIG 4373C CAH-SVAD 3(1,4) 3D Textures: PR: DIG 3423C or C.I. Advanced application of lighting and surface attributes, improving on the tools, concepts, and techniques learned in previous 3D courses. Spring.

DIG 4394C CAH-SVAD 3(1,4) Motion Graphics: Advanced Compositing: PR: DIG 4359C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particles, and compositing to create motion graphics. Manage and navigate objects, images and other media in visual narratives, as pertaining to 3D Content. Spring.

DIG 4395 CAH-SVAD 3(3,0) Motion Capture for Performance: PR: MAC 1105C, and DIG 3480 or TPA 2200; or C.I. Develop creative skills, learn the theory and technology of motion capture systems for live and recorded dramatic performance, augmented & virtual reality, training, and educational applications. Spring.

DIG 4434C CAH-SVAD 3(1,4) Narrative Techniques in the Moving Image: PR: DIG 441C, successful portfolio review, or C.I. Advanced application of techniques in Visual Language employed in story production focusing on advancing a narrative and evolving emotion. Spring.

DIG 4451C CAH-SVAD 3(1,4) Visual Storytelling and Visual Development Workshop: PR: DIG 3433C and successful portfolio review, or C.I. Techniques, mechanics of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4455 CAH-SVAD 3(3,0) Interactive Performance II: PR: DIG 3450C and C.I. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story structure. Spring.

DIG 4486C CAH-SVAD 3(1,4) Visual Language of Moving Image II: PR: DIG 3433C, successful portfolio review, or C.I. Application of techniques taught to design, create, and refine visual development, story board, story reel, character design, and animation that expresses a narrative for digital production. Fall.
DIG 4503 CAH-SVAD 3(3,0)

DIG 4522 CAH-SVAD 3(3,0)
Digital Media Service: PR: DIG 3035. Practicum in which students utilize their digital media skills to create media rich products. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4526 CAH-SVAD 3(3,0)
Digital Media Production II: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Management and execution of large digital media projects, using current methods and tools learned in Digital Media Production I. Fall, Spring.

DIG 4530C CAH-SVAD 3(2,2)
CAH-SVAD 3(2,2)
Media for e-Commerce: PR: DIG 3134C and DIG 3716C. The applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. Fall, Spring.

DIG 4624C CAH-SVAD 3(1,4)
Digital Production in Artificial Environments: PR: DIG 4539C, successful portfolio review, or C.I. Application of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, theme and mood to help express a narrative for digital production. Fall.

DIG 4630C CAH-SVAD 3(2,2)
Media Business Practices: PR: DIG 3525. Media business practices for working with interactive web sites and other media interfaces. Core skills related to e-commerce and other forms of dynamic media. Fall, Spring.

DIG 4693C CAH-SVAD 3(2,2)
Production Software Workshop: PR: DIG 3134C or C.I. Advanced programming techniques for a variety of web-based applications using ActionScript, including read input, text, variables, physics, artificial intelligence, collision detection, user interaction, and animation. Spring.

DIG 4704 CAH-SVAD 3(3,0)
Interactive Entertainment: PR: DIG 3525 or C.I. Ways to apply diverse skills of film making to digital media, non-linear story telling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4713 CAH-SVAD 3(3,0)
Game Design: PR: DIG 3024, DIG 3525 and declared Game Design Track. Principles and theories of video game design, including design, content, interaction, and gameplay design. Project based. Fall, Spring.

DIG 4715C CAH-SVAD 3(2,2)
Game Production: PR: A minimum grade of "B" (3.0) in DIG 4713 and a satisfactory portfolio review. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. Fall, Spring.

DIG 4720C CAH-SVAD 3(2,2)
Casual Game Production: PR: DIG 2500, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-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)
Modeling for Realtime Systems: PR: DIG 2109 and a "C" (2.0) or better in DIG 2000. 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: GEB 3031 Cornerstone and 12 hours of restricted electives within the Visual Arts and Emerging Media Management Track. Team based converging media projects leading to a capstone project that emphasizes creative thinking, prototype, development, marketing and assessment parallelizing 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 5048C 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 5487 CAH-SVAD 3(3,0)
Principles of Visual Language: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognitions of imagery. Fall.

DIG 5529C CAH-FIEA 3(1,3)
Production for Media: PR: Admission to Digital Media MS program or C.I. Theories and practices of production processes for interactive entertainment. Fall.

DIG 5548C CAH-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 5565C CAH-SVAD 3(1,3)

DIG 5637 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 5810 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 and criticism, and cinema studies. Fall.

DIG 5875C GRDST-INTERDIS 3(2,2)
Introduction to Modeling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary scientific underpinnings. Fall.

DIG 5876 GRDST-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)
Terrorism: PR: Sophomore Standing and ENC 1102. An examination of competing ideologies of a variety of social and political conflicts (both international and domestic) that give rise to terrorism and of the implications for the criminal justice system. Occasional.

DSC 4013 HPA-CJ 3(3,0)

EAB 3703 COS-PSYCH 4(4,0)
Principles of Behavior Modification: PR: PSY 2012. 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-PSYCH 4(4,0)
Behavior Modification - Part II: PR: EAB 3703C. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs. Occasional.

EAB 5765 COS-PSYCH 3(3,0)
Applied Behavior Analysis with Children and Youth: PR: Graduate standing or senior standing or C.I. Advanced survey of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. Occasional.

EAP 1850 CAH-LANG 6(6,0)
English for Academic Purposes I: PR: Admission 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 2851 CAH-LANG 3(3,0)
English for Academic Purposes II: PR: Admission to the Global Achievement Academy (GAA) and a grade of "C" (2.0) or higher in EAP 1850 or consent of Global Achievement Academy. 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 better in all of the following prerequisites: MAC 2311C, MAC 2312 and PHY 2048; CR: EGN 3343. Fundamental theories of inviscid, incompressible aerodynamics and flight dynamics, airfoil theory, external and internal flows, airplane performance. Fall.

EAS 3101 ECS-MECH/AERO 3(3,0)
Fundamentals of Aerodynamics: PR: 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(2,5)

EAS 3810C ECS-MECH/AERO 3(1,3)

EAS 3933 ECS-MECH/AERO 0(0,0)
Aerospace Career and Academic Faculty Advising I: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

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, and boundary layers and applications to the design process. Fall.

EAS 4154 ECS-MECH/AERO 3(3,0) Rotorcraft Aerodynamics: PR: EAS 3010. Helicopter aerodynamics. Momentum and blade element theories applied to hover, vertical and forward flight. Factors affecting design, performance & stability will be discussed. Occasional.

EAS 4200 ECS-MECH/AERO 3(3,0) Analysis & Design of Aerospace Structures: PR: EGM 3801. Aerospace structures and components, loads, buckling, axial and bending of columns and closed section beams, structural idealization, analysis of fuselage and wing sections, structural instability (buckling) of columns and monocoque cylinders. Fall.


EAS 4400C ECS-MECH/AERO 3(2,3) Discrete Control in Aerospace Vehicles: PR: EAS 3800C and (EAS 4210 and EML 4312) or (EML 4225 and EML 4313). Discrete control aspects of aerospace vehicles, virtual designer, design, state-space representation, Z-transform, system response. Spring. M&S fee $15.00

EAS 4505 ECS-MECH/AERO 3(3,0) Orbital Mechanics: PR: EGM 3321 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Two-body problem, orbital equations, orbital transfer, earth satellite operation. Spring.

EAS 4700C ECS-MECH/AERO 3(1,6) Aerospace Design I: PR: EGM 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 system-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 Propulsion and Integration: PR: EML 3303C or EAS 3800C or EEL 5150C or ESI 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 4931. 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 $80.00

EAS 4931 ECS-MECH/AERO 0(0,0) Aerospace Career and Academic Faculty Advising II: PR: EAS 3933 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Graduated Fall/Spring.


EAS 5211 ECS-MECH/AERO 3(3,0) Aerelasticity: 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 5302 ECS-MECH/AERO 3(3,0) Direct Energy Conversion: PR: EML 3101 and EML 4142. Direct methods of energy conversion; particular emphasis on fuel cells, thermoelectrics, thermionics, solar-energy, photovoltaics and magnetohydrodynamics. Analysis and designs systems. Occasional.


EAS 5535 ECS-MECH/AERO 3(3,0) Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4510C, EML 4502C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.


ECO 2013 BA-ECON 3(3,0) Principles of Microeconomics: An introduction to microeconomics, including an overview of the market economy, national income, employment, and price level determination, stabilization policies, and international economics. Fall/Spring.

ECO 2013H BA-ECON 3(3,0) Honors Principles of Economics: PR: Permission of Honors. Same as ECO 2013 with honors-level content. Fall/Spring.

ECO 2023 BA-ECON 3(3,0) Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall/Spring.

ECO 2023H BA-ECON 3(3,0) Honors Principles of Microeconomics: PR: Permission of Honors. Same as ECO 2023 with honors-level content. Fall/Spring.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>BA-ECON</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 4934</td>
<td>3(3,0)</td>
<td>Topics in Econometrics: PR: ECO 4412. Emphasis on international topics in linear and nonlinear econometric models. Spring.</td>
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<tr>
<td>ECO 4941</td>
<td>3(3,0)</td>
<td>Economics Internship: PR: Consent of department chair, ECO 3101, and ECO 3203. Supervised economics-related work experience in a pre-approved sponsoring organization. See department for information/application. Graded S/U. Fall, Spring.</td>
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</tr>
<tr>
<td>ECP 3004</td>
<td>3(3,0)</td>
<td>Seminar on Current 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.</td>
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</tr>
<tr>
<td>ECP 3006</td>
<td>3(3,0)</td>
<td>Economics of Sports: PR: ECO 2023. Microeconomics is used to evaluate and analyze the business and practice of sports including the structure and conduct of sports leagues, revenue sharing and other forms of cooperation, labor markets and compensation for professional athletes, high-level financing of sport facilities, and sports in the not-for-profit sector. Fall.</td>
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<tr>
<td>ECP 3203</td>
<td>3(3,0)</td>
<td>Labor Economics: PR: ECO 3101 or ECO 4703. The analysis of labor problems and issues in a dynamic contemporary economy through the interaction of the four major institutions: households, firms, government, and unions. Occasional.</td>
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<tr>
<td>ECP 4303</td>
<td>3(3,0)</td>
<td>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 macroeconomic and macroeconomic level. Odd Fall.</td>
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<tr>
<td>ECP 4403</td>
<td>3(3,0)</td>
<td>Industrial Organization: PR: ECO 3101. A study of the performance of industries representative of various types of market structures and practices, as well as the public policies affecting these industries. Fall.</td>
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<tr>
<td>ECP 4530</td>
<td>3(3,0)</td>
<td>Health Economics: PR: ECO 3101. Analysis of the market for health and the derived market for health care using intermediate micro-economic modeling. Fall.</td>
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<tr>
<td>ECP 4703</td>
<td>3(3,0)</td>
<td>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.</td>
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</tr>
<tr>
<td>ECT 3062</td>
<td>3(3,0)</td>
<td>Professional Roles of the Career &amp; Technical Teacher: PR: ECT 3365 or C.I. Internship into career and technical education teaching and the transition from industry to education. Occasional.</td>
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<tr>
<td>ECT 3365</td>
<td>3(3,0)</td>
<td>General Methods/Testing Evaluation in Career &amp; Technical Education: General teaching methods, testing and evaluation. Techniques specific to Career &amp; Technical Education and Industry Training. Fall.</td>
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<tr>
<td>ECT 3367</td>
<td>3(3,0)</td>
<td>Evaluation of Career &amp; Technical Education: PR: CTE 3365 or C.I. Assessing student cognitive, affective, and psychomotor performance in the technical environment. Spring.</td>
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<tr>
<td>ECT 3371</td>
<td>3(3,0)</td>
<td>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.</td>
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<tr>
<td>ECT 4004</td>
<td>3(3,0)</td>
<td>Principles and Practices of Technical Education: PR: ECT 3365 or C.I. Integrating historical principles, career structure, and current trends in technical education. Fall.</td>
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<tr>
<td>ECT 4184</td>
<td>3(3,0)</td>
<td>Curriculum Development Techniques for Industry Training: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainers analysis tasks. Spring.</td>
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<tr>
<td>ECT 4384</td>
<td>3(3,0)</td>
<td>Advanced 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.</td>
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<tr>
<td>ECT 4815</td>
<td>3(3,0)</td>
<td>Safety in the Technical Classroom and Laboratory: PR: ECT 3365 or C.I. Federal regulations, safety practices, guidance, and support for technical materials for teachers in classrooms in school and industrial settings. Occasional.</td>
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<tr>
<td>ECO 3172</td>
<td>3(3,0)</td>
<td>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.</td>
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<tr>
<td>ECO 3564</td>
<td>3(3,0)</td>
<td>Special Populations in Career &amp; 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.</td>
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<tr>
<td>ECO 5207</td>
<td>2-4(2-4)</td>
<td>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.</td>
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<tr>
<td>ECO 5265</td>
<td>2-4(2-4)</td>
<td>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.</td>
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<tr>
<td>ECO 5561</td>
<td>2-3(2-3)</td>
<td>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 supervisors, and local administrators in the management of cooperative vocational programs and achievement of related work experience in a pre-approved sponsoring organization. Scheduled concurrent seminars. Graded S/U. Occasional.</td>
<td></td>
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<tr>
<td>EDE 2200</td>
<td>3(3,0)</td>
<td>Arts and Wellness in Elementary Classrooms: Provides the prospective teacher with knowledge, skills, and the dispositions to integrate arts and wellness into the elementary classroom curriculum. Fall, Spring.</td>
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<tr>
<td>EDE 3942</td>
<td>3(3,0)</td>
<td>Internship I: PR: EDG 4410, RED 3012, RED 4519, MAE 3310, MAE 3311, TSL 4080. CR: MAE 4326, RED 4942, SCE 3310. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.</td>
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<tr>
<td>EDE 3942H</td>
<td>3(3,0)</td>
<td>Internship II: PR: MAE 2001, RED 3012, RED 4519, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher including professional study groups and seminars, teacher work sample methodology and just-in-time coaching. Odd Fall.</td>
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<tr>
<td>EDE 4223</td>
<td>3(3,0)</td>
<td>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&amp;S fee $10.00</td>
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<tr>
<td>EDE 4943</td>
<td>7-12(0,35)</td>
<td>Internship II (Elementary): PR: EDE 3942. Student teaching in an elementary school under the supervision of a certified classroom teacher. Scheduled concurrent seminars. Graded S/U. Occasional.</td>
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<tr>
<td>EDE 4945</td>
<td>1(1,0)</td>
<td>Internship II Seminar: PR: All required program courses. CR: EDE examination level II. Curriculum seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.</td>
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<tr>
<td>EDF 2005</td>
<td>3(3,0)</td>
<td>Introduction to the Teaching Profession: A survey course including an orientation to the education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.</td>
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<tr>
<td>EDF 2007</td>
<td>3(3,0)</td>
<td>Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. Fall, Spring.</td>
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<tr>
<td>EDF 2085</td>
<td>3(3,0)</td>
<td>Introduction to Diversity for Educators: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.</td>
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<tr>
<td>EDF 2250</td>
<td>3(3,0)</td>
<td>Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.</td>
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<tr>
<td>EDF 2510</td>
<td>3(3,0)</td>
<td>Education and Nation Building: American Historical Perspectives: An historical analysis of why education remains critical to national building in the U.S. and elsewhere, including education's impact on current policies and issues. Occasional.</td>
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<tr>
<td>EDF 2720</td>
<td>3(3,0)</td>
<td>Children in Schools: Legal, Ethical and Safety Concerns: PR: EDF 2005, EDF 2085, EME 2400, or C.I. The role of education in children’s lives through the analysis of legal, ethical and safety concerns. Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td>EDF 2801</td>
<td>3(3,0)</td>
<td>Global Perspectives on Education: National systems of education from a global perspective and exposure to the global and international challenges facing educators in the new millennium. Fall.</td>
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<tr>
<td>EDF 3120</td>
<td>3(3,0)</td>
<td>Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Spring.</td>
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<tr>
<td>EDF 3601</td>
<td>3(3,0)</td>
<td>Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.</td>
<td></td>
</tr>
</tbody>
</table>
EDF 4603H ED-TL&L 3(3,0) Honors Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EDF 2005, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDG 5003H 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.

EDG 5607 ED-TL&L 3(3,0) Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning of students from linguistically and culturally diverse populations. Research on language, culture, and pedagogy will be highlighted. Occasional.

EDG 1005C ED-TL&L 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program, Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 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.


EEC 4308 ED-TL&L 3(3,0) Designing Early Childhood Learning Environments: PR: Admission to Early Childhood Education Program. Designing environments which will foster developmentally appropriate interactions. Fall, Spring.


EEC 4324 ED-TL&L 3(3,0) Observation and Assessment of Young Children: PR: Admission to Early Childhood Education Program. Observation and assessment of young children. Fall, Spring.

EDF 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.

EDF 5941 ED-TL&L 2-8(0,1) Clinical Practice: PR: Admission to STEP II, III or IV. Clinical Internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.

EDF 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 applications, instruction, and technology use in educational and workplace settings. Fall, Spring.

EDS 5356 ED-TL&L 3(2,1) Mentoring and Professional Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the competencies established by the Florida Educator Accomplished Practitioner. Fall, Spring.

EFC 2732 ED-TL&L 3(3,0) Health, Safety, and Nutrition for Young Children: Health, safety and legal issues in early childhood (0-3) including protection from injury and infection; promotion of healthy development; good nutrition; and appropriate health and fitness habits. Spring.

EFC 3008 ED-TL&L 3(3,0) Early Childhood Children’s Literature: PR: Admission into the Early Childhood Development and Education Program (Track 2). A study of literature written for children birth through kindergarten, including an introduction to genres, authors and illustrators of children's books. Spring.

EFC 3214 ED-TL&L 3(3,0) Field Child Development: PR: Admission to the Early Childhood Development and Education Program - Track 2. Provides pre-service early childhood professionals with an overview of theories and research related to early childhood development (Birth-Age 6). Fall, Spring.


EFC 3700 ED-TL&L 3(3,0) Social and Emotional Development of Young Children: PR: Admission to Early Childhood Education Program. An in-depth understanding of the social and emotional development of the young child. Fall, Spring.


EFC 4211 ED-TL&L 3(3,0) Science and Math Learning for Young Children: PR: Admission into Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4528. Methodologies for teaching and assessing young children in mathematics and science concepts and skills through an integrated developmentally appropriate program. Fall.


EFC 4260 ED-TL&L 3(3,0) Early Childhood Program Evaluation: PR: Admission into 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.

EFC 4268 ED-TL&L 3(3,0) Curriculum Activities in Early Childhood: PR: Admission to Early Childhood Education Program. An integrated approach to curriculum planning and scheduling including materials, strategies, and environments for young children which emphasize active learning. Fall, Spring.

EFC 4303 ED-TL&L 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.

EFC 4314 ED-TL&L 3(3,0) Effective Practices for Guiding Young Children's Behavior: PR: Admission into Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4529. Techniques to guide behavior of young children emphasizing classroom management, routines, and pro-social skills. Spring.

EFC 4402 ED-TL&L 3(3,0) Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

EFC 4414 ED-TL&L 3(3,0) Parent-Child Relations: PR: EEC 3700; EEC 4681; 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, ethnic and cultural factors on parenting. Fall, Spring.

EFC 4524 ED-TL&L 3(3,0) Organization and Management in Early Childhood: PR: Admission into Early Childhood Education Program. Provides students with managerial and supervisory skills required to administer developmentally appropriate early childhood program. Occasional.

EFC 4528 ED-TL&L 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.


EEE 4940 ED-TL&L 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-TL&L 9(0,9) Practicum: Early Childhood Careers: PR: Admission to the Early Childhood Development 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-TL&L 12(0,12) Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.

EEE 5205 ED-TL&L 3(3,0) Programs and Trends in Early Childhood Education: PR: Regular Certificate or C.I. Philosophy, content, instructional materials, and methodologies appropriate for children ages 3 to 8 years; current research issues and trends. Concurrent laboratory experiences. Occasional.

EEE 5206 ED-TL&L 3(3,0) Organization of Instruction in Early Childhood Education: PR: Regular Certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problem-solving to related readiness and cognition (K-3); Concurrent laboratory experiences. Spring.

EEE 5245 ED-TL&L 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 3123C 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 $15.00.

EEE 3342C ECS-ECE 3(2,3) Digital Systems: PR: MAC 2311C, MAC 2312, PHY 2048C, PHY 2049C all with a “C” (2.0) or better grade. Combinational and sequential logic circuits including registers, flip-flops, 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 3101. 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: EEC 3307C, EEC 3342C with a grade of “C” (2.0) or better. Ideal Op-Amps and applications. Introduction to Logic Circuits: Bi-polar, 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(3,2) Hardware Security and Trusted Circuit Design: PR: EEE 4550 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.
EEL 4742C

EEL 4515C

EEL 4518
Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDM and TDMA. May be repeated for credit. Fall.

EEL 4162C

EEL 4635C
Computer Control Systems: PR: EEL 3567. Discrete-time systems, the z-transform, and single loop control, single and multivariable control, introduction to control models for approximating the dynamics of continuous systems. Occasional.

EEL 4851C
Engineered 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 organization, stacks, queues, linked lists, trees, graphs, searches, and sorts. Introduction to object-oriented structures. Occasional.

EEL 4872
Engineering Applications of Intelligent Systems: PR: EEL 4651C or COP 3503C or equivalent. Introduction to object-oriented systems and concepts for engineering applications, including multiprogramming, resource allocation, and management systems utilities, and operating system implementation. Fall. Spring.

EEL 4884C
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 4915L
Senior Design III: PR: EEL 4914. Execution of electrical and computer engineering projects including complete project design review, construction, testing and demonstration, electrical and computer design, prototyping, cost, functionality, presentation, team effort and final report. Fall. M&S fee $15.00

EEL 5173

EEL 5185
System Identification: PR: EEL 3567 or C.I. Dynamic systems, models of time-invariant linear, time-varying nonlinear systems, nonparametric frequency and time-domain identification methods, kernel expansion techniques, parameter estimation methods, design and applications. Spring.

EEL 5245C
Power Electronics: PR: EEE 4303C. Principles of power electronics, power semiconductor device technologies, switch-mode and resonant dc-to-dc converters, cyclo-converters, applications. Fall.

EEL 5268
Communications and Networking for Smart Grid: PR: EEL 4515C. Introduction to smart grid control infrastructure and business models. Introduction to control signaling techniques and communication infrastructure in smart grid, communication networking in smart grid, communication for vehicle-to-grid systems, secure communication and networking. Occasional.

EEL 5291
Controlled Distribution and Optimization for Smart Grid: PR: EEL 3567 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 5432

EEL 5437C
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 5462C
Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipole, loops, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall.

EEL 5625
Applied Control Systems: PR: C.I. Designed to develop fundamental knowledge in the area of control systems and systems and control design. Fall.

EEL 5650

EEL 5669
Introduction to Robotics and Autonomous Vehicles: PR: EEL 5173 or C.I. Forward and inverse kinematics, velocity kinematics, dynamics, constrained motions, path and trajectory planning, position and trajectory control, single and multivariable control, introduction to force/impedance control, introduction to consensus-based control. Fall.

EEL 5704
EIN 4545  ECS-IEMS  3(3,0)
Industrial Engineering Applications in The Service Industries: PR: ESI 4312 with a grade of "C" (2.0) or better. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Fall.

EIN 4891C  ECS-IEMS  4(2,4)
Industrial Engineering Senior Design Project: PR: EIN 4364 and ESI 4523 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 5108  ECS-IEMS  3(3,0)
The Environment: Practical Organization: PR: Graduate status or C.I. EGS 4426 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5117  ECS-IEMS  3(3,0)
Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. Spring.

EIN 5140  ECS-IEMS  3(3,0)
Project Engineering: PR: Graduate standing or C.I. Role of engineer in project management with emphasis on project cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall, Spring.

EIN 5248C  ECS-IEMS  3(2,2)
Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall.

EIN 5251  ECS-IEMS  3(3,0)
Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and storyboard evaluation; techniques; query techniques; laboratory techniques; and field study approaches. Spring.

EIN 5256C  ECS-IEMS  3(2,2)
Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators to transfer knowledge in the technical environment. Fall.

EIN 5317  ECS-IEMS  3(3,0)
Training Systems: PR: Seniors, post bacc or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manipor, personnel, and training considerations will be examined. Occasional.

EIN 5346  ECS-IEMS  3(3,0)
Engineering Logistics: PR: ESI 5306 or ESI 4312 Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5356  ECS-IEMS  3(3,0)
Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Occasional.

EIN 5392C  ECS-IEMS  3(2,2)
Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Occasional.

EMA 3000  ECS-MSE  3(3,0)
Engineering Polymer, Ceramic, and Composite Materials: PR: EGN 3365 or EMA 3706. Structure, properties, processing of engineering polymeric, ceramic, and composite materials. Occasional.

EMA 3012C  ECS-MSE  3(2,2)
Experimental Techniques 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 Ceramic Materials: PR: EMA 3601, and EGM 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.

EMA 3691  ECS-MSE  3(3,0)
Manpower, Personnel and Training: PR: EMA 3601 or EMA 3706. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EMA 4102  ECS-MSE  3(3,0)
Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3365 or EMA 3706, and a "C" (2.0) or better in all of the following: CHS 1440 or CHM 2045C, 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-MECH/AERO  3(3,0)

EMA 4501C  ECS-MSE  3(2,2)

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 2049C and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopies utilizing electron, ion and photon probes. Occasional.

EMA 5140  ECS-MSE  3(3,0)
Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.

EMA 5317  ECS-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 C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. Fall.

EMA 5504  ECS-MSE  3(2,2)
Modern Characterization of Materials: PR: EMA 3014 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EMA 5505  ECS-MSE  3(2,2)

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, structures, homojunction, heterojunction, and surface barrier solar cells, AM1.5D-1 model of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.

EMA 5587C  ECS-MSE  3(2,2)

EMA 5588  ECS-MSE  3(3,0)
Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; cell-biomaterials interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.

EMA 5610  ECS-MSE  3(3,0)
EML 5705 ECS-MSE 3(3,0)
High Temperature Materials: PR: EMA 3104 or C.I. Designed to introduce students to high-temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aerol- and land-based gas turbine requirements. Occasional.

EML 2040 ED-TL&L 3(3,0)
Introduction to Technology for Educators: Introduces technology to educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall, Spring.

EML 2041 ED-E&HS 3(3,0)
Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

EML 4312 ED-E&HS 3(3,0)
Applications of Technology in Education: Classroom applications of instructional media. including computers. Includes experience with equipment, commercial and teacher-made media, and their uses. Occasional.

EML 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 with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

EML 5053 ED-E&HS 3(3,0)
Electronic Resources for Education: PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. Fall.

EML 5811 ED-TL&L 1(1,0)
Teaching and Learning with Technology: Overview of theories for teaching and learning technology. Practical strategies for using technology in the classroom. May be used in the degree program a maximum of 4 times. Occasional.

EML 3001C ECS-MECH/AERO 1(1,2)

EML 3034C ECS-MECH/AERO 3(3,1)
Modeling Methods in Mechanical and Aerospace Engineering: PR: C (2.0) or better in all of the following prerequisites: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048C. 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)
Mechanics of Materials - Dynamics: PR: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048C. 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)

EML 3701 ECS-MECH/AERO 3(3,0)
Fluid Mechanics I: PR: C (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302, PHY 2048C, EGN 3343 and EGN 3343. 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)

EML 4024C ECS-MECH/AERO 3(2,2)
Engineering Design Practice: PR: EML 3034C and EML 3023C. Use of INM 301 or CAD/CAM solid modeling techniques in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring.

EML 4142 ECS-MECH/AERO 3(3,0)

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.

EML 4225 ECS-MECH/AERO 3(3,0)
Introduction to Vibrations and Controls: PR: EML 3217, EGM 3601, EML 3034C, EGN 3373. Undamped and damped vibration analysis of mechanical systems with single and two degrees of freedom; forced vibration; concepts of feedback controls, classical proportional, derivative and (PID) feedback controls and root locus. Fall, Spring.

EML 4260 ECS-MECH/AERO 3(3,0)
Dynamics of Machinery: PR: EML 3262 or EML 3217, EML 4220 or EML 4225. Critical speeds and response of flexible rotor systems, whirl, gyroscopic effects; balancing of rotating and reciprocating masses; cam dynamics. Occasional.

EML 4264 ECS-MECH/AERO 3(3,0)
Vehicle Dynamics: PR: EML 3262 or EML 3217, EML 4220 or EML 4225. Basic mechanics governing vehicle dynamics, performance and handling; acceleration, braking, ride, cornering, suspension, steering, rollover. Occasional.

EML 4301C ECS-MECH/AERO 3(2,3)
Mechanical Systems Lab: PR: EGN 3330C, CR: EML 4225. Teaching laboratory in solid mechanics, dynamic vibrations and control-feedback testing and theory; designing and conducting experiments; analyzing and interpreting data. Spring.

EML 4306C ECS-MECH/AERO 3(2,3)

EML 4312C ECS-MECH/AERO 3(2,3)
Feedback Control: PR: EML 3231, MAP 2302, EGN 3373 and EML 4220 or EAS 4210. Mathematical modeling of dynamic systems: transient and steady state response; Root Locus and z-transform methods; discrete systems analysis; controller design. Fall.

EML 4313 Intermediate System Dynamics and Controls: PR: EML 3217, MAP 2302, EGN 3373 and EML 4225. Free and forced vibration analysis of mechanical systems with multi degrees of freedom; normal modes and modal analysis; systems concepts, stability criteria, role of uncertainty in feedback and frequency domain control design. Fall.

EML 4411 ECS-MECH/AERO 3(3,0)
Mechanical Power Systems: PR: EML 3034C. Analysis and design of large power generating systems and components, emphasis on components utilizing both chemical and nuclear fuels. Occasional.

EML 4454 ECS-MECH/AERO 3(3,0)
Turbines for Sustainable Power: PR: EGM 3601, EGN 3365 or EMA 3706, EML 3701 or EAS 3101; CR: EML 4142. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamic aspects to combustion and emissions to reliability. Covers multiple applications of conventional and green technologies. Fall.

EML 4501C ECS-MECH/AERO 3(1,6)
Design Engineering I: PR: EGN 3373, EML 3034C, EML 3701, EML 4142; EML 4225 and department consent; CR: EML 4531. Application of the design process in the team building of a project, and a test report are completed. Fall, Spring. M&S fee $50.00

EML 4504 ECS-MECH/AERO 3(3,0)

EML 4553C ECS-MECH/AERO 3(2,3)
CAD/CAM: PR: EGN 3343, EML 3034C and EGM 3601; CR EAS 4200 or EML 3500. CAD/CAM/FEM computational technology: Basic concepts. Concurrent engineering approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software. Fall, Spring.

EML 4600 ECS-MECH/AERO 3(3,0)

EML 4602 ECS-MECH/AERO 3(3,0)
Applied HVAC Engineering: PR: EGN 3343; CR: EML 4142. Applications of HVAC systems design with the objective of optimizing the HVAC system to meet the design's specifications. Focus on control, ventilation, and indoor air quality. Dehumidification performance of the various HVAC system types and their interactions with the building. Spring.

EML 4703 ECS-MECH/AERO 3(3,0)
Fluid Mechanics II: PR: EML 3701. Continuation of Fluid Mechanics I. External flows, fluid machinery, compressible flows, design projects. Fall.

EML 4800C ECS-MECH/AERO 3(2,3)
Digital Control in Mechatronics: PR: EML 3034C; and (EML 4220 and EML 4312C) or (EML 4225 and EML 4313). Discrete microprocessor control of mechatronics dynamics systems using state-space representation, digital controllers, design for mechatronic applications. Spring. M&S fee $15.00

EML 4931 ECS-MECH/AERO 0(0,0)
Mechanical Career and Academic Faculty Advising II: PR: EML 3933 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EML 5026C ECS-MECH/AERO 3(2,2)
Advanced Engineering Design Practice: PR: EGM 3601; CR: (EML 3500 or EAS 4200) and (EML 4220 or EAS 4210). Designed to familiarize students with the basic CAD/CAM solid modeling techniques in a project oriented environment. Construct part models, drawings, and assemblies. Use of in-house software. Occasional.
ENC 3311 CAH-WRITE 3(3,0)
Essay as Cultural Commentary: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Rhetorical and historical study, and analysis of writing as reflective exploration and cultural commentary. Fall, Spring.

ENC 3314 CAH-WRITE 3(3,0)
Writing and Rhetoric Foundations: PR: Grade of C (2.0) or better in ENC 1102 or equivalent or C.I. Study and practice of research writing, and rhetorical skills that enable successful (inter)disciplinary writing in and across the university. Fall, Spring.

ENC 3315 CAH-WRITE 3(3,0)
Argumentative Writing: PR: Grade of C (2.0) or better required in ENC 1102. Students will analyze current issues, assess the arguments, and construct various types of arguments, including visual and multimedia. Fall, Spring.

ENC 3330 CAH-WRITE 3(3,0)
Rhetorical 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.

ENC 3331 CAH-WRITE 3(3,0)
Rhetoric and Civic Engagement: PR: Grade of C (2.0) or better required in ENC 1102. Examines rhetorical theory (2.0) or better in ENC 1102. Examine rhetoric to analyze and participate in contemporary public debates and civic engagement efforts. With Honors Content. Even Spring.

ENC 3331H 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.

ENC 3351 CAH-WRITE 3(3,0)
Writing for Publication: PR: Grade of C (2.0) or better required in ENC 1102. Examines freelance markets, article genres, and the rhetorical skills needed to design and produce articles for specific audiences and publications. Occasional.

ENC 3351H 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 genres, and rhetorical skills needed to design and produce articles for specific audiences and publications, and editorial roles for publications. With Honors content. Occasional.

ENC 3372 CAH-WRITE 3(3,0)
Topics in Civic Rhetoric and Writing: PR: Grade of C (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to civic rhetoric and writing. Occasional.

ENC 3373 CAH-WRITE 3(3,0)
Cultural Rhetorics: PR: Grade of C (2.0) or better required in ENC 1102. Study of the diverse cultural production of and the cultural forces impacting the rhetoric of individuals and communities. Occasional.

ENC 3375 CAH-WRITE 3(3,0)
Rhetoric in Popular Culture: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Exploration of how persuasion works in a specific set of popular culture discourses, such as sports, music, and gaming. Occasional.

ENC 3417 CAH-WRITE 3(3,0)
Literacy and Technology: PR: Grade of C (2.0) or better required in ENC 1102. Study of the influence of technology on writing and literacy, focus on new media. Spring.

ENC 3433 CAH-WRITE 3(3,0)
Multimedia Writing and Composition: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Study and practice of multimedia writing (invoking sound, visual, and linguistic forms) with an emphasis on the process of text production and remixing for different rhetorical contexts and audiences. Occasional.

ENC 3453 CAH-WRITE 3(3,0)
Writing About Health and Medicine: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Writing practices and genres of the health professions, with emphasis on writing about health and medicine for lay audiences. Occasional.

ENC 3454 CAH-WRITE 3(3,0)
Topics in Professional and Digital Writing: PR: Grade of C (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to professional and/or digital writing. Occasional.

ENC 3455 CAH-WRITE 3(3,0)
Writing about Science and Technology: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Writing about scientific and technological research and developments for non-scientific audiences (including novices and policymakers). Occasional.

ENC 3455H CAH-WRITE 3(3,0)
Honors Writing about Science and Technology: PR: Consent of Honors. Writing about scientific and technological research and issues for nonscientific audiences, including laypeople and policymakers. With Honors content. Occasional.

ENC 3456H CAH-WRITE 3(3,0)
Honors Writing about Health and Medicine: PR: Consent of Honors. Writing practices and genres of health professions, with emphasis on writing about health and medicine for lay audiences. With Honors content. Occasional.

ENC 3473 CAH-WRITE 3(3,0)
Writing in Disciplinary Cultures: PR: Grade of C (2.0) or better required in ENC 1102. Overview of important knowledge domains and lines of inquiry in writing and literary research, with emphasis on research methodologies. Occasional.

ENC 3503 CAH-WRITE 3(3,0)
Topics in Writing & Literacy Studies: PR: Grade of C (2.0) or better required in ENC 1102. Study of writing (including genres, conventions, and arguments) in disciplines across the university. May be repeated for credit. 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 of study and/or research in writing with personalized faculty direction. 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 Writing Style: PR: Grade of C (2.0) or better in ENC 3241 or ENC 3241. Overview of technical communication genres. PR: Grade of C (2.0) or better required in ENC 3241 or ENC 3241. Development of a book-length project from idea to finished product. Examples may include style manuals, policies and procedures, and training manuals. Fall, Spring.

ENC 4290 CAH-ENG 3(3,0)
Technical Writing Style: PR: Grade of C (2.0) or better required in ENC 3241 or ENC 3241. Overview of technical communication genres. PR: Grade of C (2.0) or better in ENC 3241 or ENC 3241. Development of a book-length project from idea to finished product. Examples may include style manuals, policies and procedures, and training manuals. Fall, Spring.

ENC 4295 CAH-ENG 3(3,0)
Writing in Disciplinary Cultures: 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 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-ENG 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-ENG 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 audience 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 audience 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 3505, 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 and rhetors. Occasional.

ENC 4378 CAH-WRITE 3(3,0)
Writing in Global and Transnational Contexts: PR: "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 3505, and ENG 3836; PR or CR: ENC 4944, ENC 3473, or ENC 4275. Culminating required 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 3241. Theories of electronic literacy and information to develop a more critical sensibility regarding hypertext. Occasional.

ENC 4415 CAH-ENG 3(3,0)
Digital Rhetorics and The Modern Dialectic: PR: Grade of "C" (2.0) or better required in ENC 1102. 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 Rhetorics: PR: "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 the intersection of race, class, gender, sexual identity and other difference issues. Occasional.

ENC 4544 CAH-WRITE 3(3,0)
Writing Pedagogy: PR: Grade of "C" (2.0) or better required in ENC 1102. Overview of pedagogical issues and strategies related to the teaching of writing, with focus on college-level writing. Occasional.

ENC 4944 CAH-WRITE 3(3,0)
Writing Internship: PR: Junior standing and ENC 3331 and ENG 3836 and declared Writing and Rhetoric Major. Training and practice in professional and/or civic 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, minors, or Public & Professional Writing Certificate students review and submit their writing e-portfolio for departmental approval. Occasional.

ENC 5225 CAH-ENG 3(3,0)
Theory and Practice of Document Usability: PR: Graduate status or senior standing or C.I. Presents theory and practice of 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. Overview of theory and history of classical and modern rhetorical theory and rhetorical instruction. Fall.

ENC 5705 CAH-WRITE 3(3,0)
Current Topics in Professional Writing: 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 5930 CAH-WRITE 3(3,0)
Practical Criticism: PR: Grade of C (2.0) or better required in ENC 1102. Study of literature written inside and outside of the classroom, in and out of the academy. Fall, 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. The differences in emphasis, medium, and technique in selected novels and their film adaptations. 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, or C.I. American regular core texts in world culture, using concepts and theories from global cultural studies to analyze translation, translation, and appropriation. Occasional.

ENG 5009 CAH-ENG 3(3,0)
Methods of Bibliography and Research: PR: Grade of C (2.0) or better required in ENC 1102. Bibliographical, library and systematic approaches to research at the graduate level in language and literature. Fall.

ENL 2012 CAH-ENG 3(3,0)
English Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Beowulf to 1788. Fall, Spring.

ENL 2022 CAH-ENG 3(3,0)
English Literature II: PR: Grade of C (2.0) or better required in ENC 1102. From 1786 to 1914. Fall, Spring.

ENL 3220 CAH-ENG 3(3,0)
English Renaissance Poetry and Prose: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Study of selected authors and major themes in English Renaissance poetry and prose. Occasional.

ENL 3222 CAH-ENG 3(3,0)
Renaissance Women in Literature: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Literature by and about women in the Renaissance. Occasional.

ENL 3321 CAH-ENG 3(3,0)
Restoration Literature: PR: Grade of "C" or better in ENC 1102. This course surveys the poetry, drama, and prose written during the Restoration era (1660-1700) and the social, historical, and political contexts. Occasional.

ENL 3296 CAH-ENG 3(3,0)
English Gothic Literature: PR: Grade of "C" or better required in ENC 1102. A study of British 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.I. Examines J. K. Rowling's Harry Potter series of books and other adaptations. Occasional.

ENL 3654 CAH-ENG 3(3,0)
Black British Literature: PR: Grade of "C" or better required in ENC 1102. Study of writing written inside 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 novelsists. 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.
ENT 4523 CAH-ENG 3(3,0) The Victorian Age: PR: Grade of "C" (2.0) or better required in ENG 3014 or C.I. Key issues and authors of the Victorian Age (1837-1901) covering fiction, poetry, and nonfiction prose. Occasional.

ENT 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.

ENT 4273 CAH-ENG 3(3,0) Medieval British Literature: PR: Grade of "C" (2.0) or better required in ENG 3014. Major writers of modern British literature. Occasional.

ENT 4303 CAH-ENG 3(3,0) British Authors: PR: Grade of "C" (2.0) or better required in ENG 3014, or C.I. 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.

ENT 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.

ENT 4333 CAH-ENG 3(3,0) Shakespeare Studies: PR: Grade of "C" (2.0) or better required in ENG 3014. Reading, analysis, and discussion of Shakespeare’s plays. Occasional.

ENT 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, governmental, 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) Technological Entrepreneurship: PR: Junior Standing. 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 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, application, approval, and consent of Management Department. Supervised, entrepreneurial-related work experience in a sponsoring organization. See Management Department for information. Application required. Fall, Spring.

ENT 4948 BA-MAN 3(3,0) Launching the Venture I: PR: C.I. (Admission to the Launching the Venture Program). This experiential course helps students working on startup ventures to achieve critical early stage milestones that can accelerate their progress toward launching the venture. Fall.

ENT 4949 BA-MAN 3(3,0) Launching the Venture II: PR: ENT 4948. This experiential course helps students working on startup ventures to undertake tasks necessary to legally form their company, go to market, and launch the venture. Spring.

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 CHS 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.

ENV 4120 ECS-CECE 3(3,0) Air Pollution and Hazardous Waste Control: PR: EGN 3343, CWR 3201 and ENV 3001 all with a grade of "C" (2.0) or better. Air pollution and hazardous waste engineering. Air resources management, engineering design, operation of air pollution control systems. Storage, collection, processing, and disposal of hazardous wastes. Fall.

ENV 4122C ECS-CECE 3(2,2) Air Pollution Control Design: PR: ENV 4120 with grade of "C" (2.0) or better and department consent. Project course on design of air pollution control equipment and systems. Spring.

ENV 4300C ECS-CECE 3(2,2) Solid Waste Facility Design: PR: ENV 4341 with grade of "C" (2.0) or better and department consent. Project course on design of a municipal solid waste landfill. Occasional.

ENV 4341 ECS-CECE 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 waste, and sustainable engineering design. Solid waste management facilities, food-energy-water nexus, carbon and water footprints. Fall.

ENV 4433C ECS-CECE 3(2,2) Environmental Engineering and Water Wastewater Design: PR: EES 4111C, ENV 4301 both with grades of "C" (2.0) or better and department consent. Project course in advanced municipal and industrial wastewater treatment and desalination. Fall, Spring.

ENV 4514 ECS-CECE 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 effluent and sludge handling, treatment, and disposal. Fall, Spring.

ENV 4515 ECS-CECE 3(3,0) Advanced Environmental Engineering Unit 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-CECE 3(2,2) Environmental 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-CECE 3(3,0) Water Treatment: PR: EES 4202C or ENV 5517 or C.I. Possible water regulations, standards, chemical reactions, oxidation, disinfection byproducts, and ultraviolet irradiation. Internal corrosion and microbial control in municipal and industrial water distribution systems. Odd Spring.


ENV 5517 ECS-CECE 3(3,0) Engineering Chemical and Biological Processes: CR: ENV 4561 (or equivalent). Coverage of equilibrium/chemical, softening and coagulation, and disinfection of water. Microbiology and bioremediation as applied to activated sludge system design. Fall.

ENV 5636 ECS-CECE 3(3,0) Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with the environment. Concepts include water conservation, pollution prevention, and sustainability to air and environmental engineering decision-making. Occasional.

ENY 4004C COS-BIOL 4(2,6) General Entomology: PR: A grade of "C" (2.0) or better in both BSC 2010/C and BSC 2011/C, or C.I. Biology of insects: identification, taxonomy, physiology, 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, or equivalent. C.I. Morphology, physiology, ontology, behavior, ecology and population biology of insects. Odd Fall. M&S fee $40.00

EPD 5395 ED-CFCS 3(3,0) Physical and Sociological Implications of Handicapping Conditions: Overview of physical and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. Occasional.


ESE 4033C ED-TL&L 3(2,2) Critical Issues and Trends in Secondary Education: PR: Internship I in 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 classrooms. Laboratory experiences will connect to the issues and trends specific to particular content areas. Fall, Spring.

ESE 4942 ED-TL&L 1(1,0) Internship II Seminar: PR: Internship I in the specific discipline. CR: Internship II in the specific discipline. C.I. Student teaching in the secondary grades as they relate to teaching in the secondary grades. Fall, Spring.


ESI 4221 ECS-EEMS 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. Occasional.

ESI 4234 ECS-EEMS 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 4448 ECSI-EC 3(3,0) Applied Project Management: PR: Junior Standing. Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations. Fall.

ETI 4640 ECSI-EC 3(3,0) Operations Management for Technologists: PR: ETI 4635. Scheduling techniques (FERT), (CPM), are presented. Tote Study Methods, Work Sampling and MTM are covered. Fall.

EUI 2000 CAH-HIST 3(3,0) Western Civilization I: A survey of western civilization from ancient to 1648. Fall, Spring.


EUI 2001 CAH-HIST 3(3,0) Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EUI 2000. Fall, Spring.


EUI 3122 CAH-HIST 3(3,0) Medieval Society and Civilization: PR: EUI 2000 and EUI 2001 or C.I. Fall, Spring.

EUI 3124 CAH-HIST 3(3,0) The Crusades: PR: EUI 2000 and EUI 2001, or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of "just war" and jihad, Even Spring.

EUI 3142 CAH-HIST 3(3,0) Renaissance and Reformation: PR: EUI 2000 and EUI 2001, or C.I. Europe's great religious movements of the 16th century. Fall, Spring.

EUI 3180 CAH-HIST 3(3,0) Sorcerers, Saints and Heretics: Religion in the Medieval World: PR: EUI 2000 or C.I. Fall, Spring.


EUI 3242 CAH-HIST 3(3,0) Modern Europe and the First World War: A survey of the impact of the democratic institutions, education, transportation, housing, health, mass communications, entertainment, women, and warfare. Occasional.

EUI 3251 CAH-HIST 3(3,0) Second World War and Rebirth of Europe: PR: EUI 2000 and EUI 2001, or C.I. Origins of World War II; Hitler's "New Order," and resistance movements; Cold War; the Stalingrad of Russia; Sovietization of East Central Europe; Western reconstruction, and prosperity. Occasional.


EUI 3421 CAH-HIST 3(3,0) History of Modern Italy: PR: EUI 2001. The history of modern Italy from the origins of national unification through the post-WWII era. Occasional.


EUI 3451 CAH-HIST 3(3,0) History of Modern France: PR: EUI 2001, EUI 3424 or C.I. France beginning with the Napoleonic era. Topics include nineteenth century social, political, and consumer revolutions, the World Wars, the Cold War, imperialism and decolonization.

EUI 3531 CAH-HIST 3(3,0) Medieval Ireland: PR: EUI 2000 and EUI 2001 or C.I. Medieval Ireland's historical and cultural development from 1129 to 1607. Occasional.

EUI 3536 CAH-HIST 3(3,0) Early Modern Ireland: PR: EUI 2000 and EUI 2001 or C.I. Ireland's historical and cultural development from 1607 to 1800. Occasional.


EUI 3651 CAH-HIST 3(3,0) War and Society: Evolution of weapons, tactics, strategies, social status, recruitment of soldiers; influence of military on governments; and international efforts to preserve peace. Occasional.


EUI 4284 CAH-HIST 3(3,0) Fascism and Nazism in the Interwar Europe: PR: EUI 2000 and EUI 2001. Fascist and Nazi movements in interwar Europe, mostly Italy and Germany. Origin, development, seizure of power, system of government, ideology, domestic and foreign policies, resistance to these movements. Occasional.

EUI 4400 CAH-HIST 3(3,0) The History of Ancient Greece: PR: EUI 2000, EWI 2001 or WCH 120. Systems of government in the various city-states of the ancient Greek world from the Bronze Age through the Hellenistic era (C. 1200-300BC). Occasional.

EUI 4426 CAH-HIST 3(3,0) Sex and Gender in Antiquity: PR: EUI 2000 or WCH 120. Examines the concepts of sex and gender in Greek and Roman societies and their impact on modern society.

EUI 4465 CAH-HIST 3(3,0) Hitler's Third Reich: PR: EUI 2000 and EUI 2001, or C.I. Germany's national socialism and militarism; World War I and Versailles Treaty; the Weimar Republic and the rise of the Nazis; Second World War, division and recovery. Occasional.

EUI 4500 CAH-HIST 3(3,0) English History to 1485: PR: EUI 2000 and EUI 2001 or C.I. Occasional.

EUI 4501 CAH-HIST 3(3,0) English History: 1485-1815: PR: EUI 2000 and EUI 2001 or C.I. Occasional.

EUI 4502 CAH-HIST 3(3,0) British History: 1815-Present: PR: EUI 2000 and EUI 2001 or C.I. Occasional.

EUI 4504 CAH-HIST 3(3,0) English Legal History I: PR: EUI 2000 or C.I. Explores English law from the first Germanic law codes in the seventh century to the publication of Blackstone's Commentaries on the Laws of England. Occasional.

EUI 4571 CAH-HIST 3(3,0) History of Russia to 1801: PR: EUI 2000 and EUI 2001, or C.I. Kievan State; Mongol Yoke; Development of Muscovite Expansionism and Absolutism; Time of Troubles; Westernization of Russia under Peter I and Catherine; Role of Orthodox Church. Occasional.
EUH 4574 CAH-HIST 3(3,0)
History of Russia: 1801-1917: PR: EUH 2000 and EUH 2001 or C.I. Napoleon I: Revolutionary Movement; Russian Policy toward Central Asia and China; Great Reforms; Russo-Japanese War; Revolution of 1905; Constitutional Period; Triple Entente. Occasional.

EUH 4576 CAH-HIST 3(3,0)

EUH 4582 CAH-HIST 3(3,0)
20th Century Russian Diplomatic History: PR: C.I. Russian diplomatic history from the signing of the Entente Cordiale to the aftermath of the Cold War. Occasional.

EUH 4610 CAH-HIST 3(3,0)

EUH 4610H CAH-HIST 3(3,0)
Honors Women in European Society: PR: GEU Honors completion or permission of Honors. Interdisciplinary approach to the changing situation of women in Europe across space and over time with honors-level content. Occasional.

EUH 4620 CAH-HIST 3(3,0)
European Great Powers: 1815-1914: PR: EUH 2000 and EUH 2001 or C.I. Congress of Vienna, Metternich’s system, Crimean War, unifications of Italy, Germany, the Bismarckian era, the alliance systems, and the outbreak of World War I. Occasional.

EUH 4663 CAH-HIST 3(3,0)

EUH 4674 CAH-HIST 3(3,0)

EUH 4674H CAH-HIST 3(3,0)
Honors Sports & Society in the Ancient World: PR: GEU Honors completion or permission of Honors. Interdisciplinary approach to comparing the Original Olympic games and other ancient athletic spectacles with their modern counterparts with honors-level content. Occasional.

EUH 5258 CAH-HIST 3(3,0)
Colloquium in Europe Since World War II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WWII. Occasional.

EUH 5415 CAH-HIST 3(3,0)
Rome and Early Christianity: PR: Graduate standing or C.I. Current trends in historical literature in Christianity from its development as a distinct religion to its relations with and eventual “triumph” within the Roman Empire. Occasional.

EUH 5419 CAH-HIST 3(3,0)
Colloquium in Roman History: PR: Graduate standing or C.I. Readings in selected topics in the history of Ancient Rome. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

EUH 5459 CAH-HIST 3(3,0)
Colloquium in French History: PR: Graduate standing or C.I. Readings in selected topics in French History. May be used in the degree program a maximum of 3 times. Occasional.

EUH 5546 CAH-HIST 3(3,0)
Colloquium: British History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in British history. There is no standard syllabus because content is different with each offering. May be repeated for credit only when course content is different. Occasional.

EUH 5579 CAH-HIST 3(3,0)
Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-present. Occasional.

EUH 5595 CAH-HIST 3(3,0)
Colloquium in Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

EUH 5905 CAH-HIST 3(3,0)
European Imperialism: PR: Graduate standing or C.I. Readings in selected topics in the history of European Imperialism. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

EUH 5925 CAH-HIST 3(3,0)
Colloquium in Medieval Europe: PR: Graduate standing or C.I. Readings in selected topics in the history of medieval Europe. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

EVR 1001 COS-BIOL 3(4,0)
Introduction to Environmental Science: Environmental science and environmental systems in the context of real places, real people, real problems and real data. Fall.

EVR 1001H COS-BIOL 3(4,0)
Honors Introduction to Environmental Science: Environmental science and environmental systems in the context of real places, real people, real problems, and real data. Fall.

EXP 3204 COS-PSYCH 4(4,0)

EXP 3250 COS-PSYCH 3(3,0)

EXP 3304 COS-PSYCH 3(3,0)

EXP 3404 COS-PSYCH 3(3,0)

EXP 3604 COS-PSYCH 4(4,0)

EXP 3640 COS-PSYCH 3(3,0)

EXP 4507 COS-PSYCH 3(3,0)

EXP 5208 COS-PSYCH 3(3,0)
Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH 3(3,0)
Human Factors and Aging: PR: Graduate standing, post doc or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH 3(3,0)
Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature and introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

FIL 1000 CAH-SVAD 3(3,0)
Film Survey: Introductory course that focuses on different approaches to studying cinema. Fall/Spring.

FIL 1000H CAH-SVAD 3(3,0)
Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall/Spring.

FIL 1007 CAH-SVAD 3(3,0)
Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. Fall/Spring.

FIL 1008 CAH-SVAD 3(3,0)
Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall/Spring.

FIL 2030 CAH-SVAD 3(2,2)
History of Motion Pictures: The history of motion pictures as art and industry, from 1895 to the present. Fall/Spring.

FIL 2107 CAH-SVAD 3(3,0)
Film Analysis: PR: or CR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall/Spring.

FIL 2423 CAH-SVAD 3(3,0)
Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall/Spring.

FIL 2461 CAH-SVAD 3(3,0)
Cinematography I: PR: FIL 2552 and FIL 2480. Concepts and tools of cinematography and lighting. Fall. M&F fee $45.00

FIL 2480 CAH-SVAD 3(3,0)
Directing for Film I: PR: FIL 1007, FIL 1008, and FIL 3427C. PR or CR: FIL 3115. Introduction to processes and techniques for film directing. Spring. M&F fee $70.00

FIL 2481 CAH-SVAD 3(3,0)
Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.

FIL 2552 CAH-SVAD 3(3,0)
Editing I: PR: FIL 1006 and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring.

FIL 3006 CAH-SVAD 3(3,0)
Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall/Spring.

FIL 3035 CAH-SVAD 3(3,1)
Film Histories II: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.
UCF Courses and Descriptions
FIL 3037
CAH-SVAD
3(3,0)
Film History II: PR: FIL 2030, FIL 2107 and Film BFA,
World Cinema, or Cinema Studies major. Film history in a
depth of detail and with rigor that is appropriate for majors
in the subject. This course covers from 1946 to the present.
Spring.
FIL 3041
CAH-SVAD
3(3,0)
History of Animated Films I: PR: Cinema Studies,
Art, Animation or Digital Media major. Evolution of animation
from its roots in Art, Theatre, and Novelty Inventions to its
rise as a cinematic force of popular storytelling. Even Fall.
FIL 3051
CAH-SVAD
3(3,0)
Avant-Garde Cinema: PR: Junior standing or
C.I. History and aesthetics of Avant-Garde Cinema with
an emphasis on post WWII North American films and
filmmakers. Spring.
FIL 3070C
CAH-SVAD
3(3,1)
Cinema in the 1920s: PR: FIL 3035C. Films of the
1920s as they pertain to the political, social, cultural, and
artistic context of the period. Occasional.
FIL 3071C
CAH-SVAD
3(3,1)
Cinema in the 1930s: PR: FIL 3035C. Films of the
1930s as they pertain to the political, social, cultural, and
artistic context of the period. Occasional.
FIL 3072C
CAH-SVAD
3(3,1)
Cinema in the 1940s and 1950s: PR: FIL 3035C.
Films of the 1940s and 1950s as they pertain to the
political, social, cultural, and artistic context of the period.
Occasional.
FIL 3073C
CAH-SVAD
3(3,1)
Cinema in the 1960s and 1970s: PR: FIL 3035C.
Films of the 1960s and 1970s as they relate to the political,
social, cultural, and artistic context of the period. Occasional.
FIL 3074C
CAH-SVAD
3(3,1)
Cinema 1980s to the Present: PR: FIL 3035C.
Films from the 1980s and onward as they pertain to the
political, social, cultural, and artistic context of the period.
Occasional.

FIL 3363C
CAH-SVAD
3(3,1)
Film Documentary: PR: FIL 2030 and Film BFA or
Cinema Studies major. The uses and analysis of the nonfiction film. Fall,Spring.
FIL 3379C
CAH-SVAD
3(3,6)
Advanced Documentary Production: PR: FIL
3363C and FIL 3845, or C.I. Processes and principles of
advanced documentary production to capture on-going
reality based situations. Occasional.
FIL 3379C
CAH-SVAD
3(3,6)
Honors Advanced Documentary Workshop:
PR: ENC 1102H and Consent of Honors or C.I. Public history
research and documentary production. Student-produced
multimedia projects centered on local partnerships that
explore the public history of Central Florida. With Honors
content. Occasional.
FIL 3427C
CAH-SVAD
3(2,4)
Introduction to Film Production: PR: or CR: FIL
2107 and Film BFA or World Cinema major. Introduction
to production utilizing film equipment. Basic technical and
aesthetic aspects of production. Fall.
FIL 3455C
CAH-SVAD
6(2,4)
Film Landscapes: Story, Image and
Production Design: PR: FIL 2423 or FIL 3427C, and
FIL 2030. The use of landscape in film and its importance to
the art of production design. Occasional.
FIL 3462C
CAH-SVAD
3(3,1)
Cinematic Expression: PR: FIL 3803C.
Cinematography using video format; study of fundamentals
of motion-picture communication, film structure and
storytelling. Spring.
FIL 3483
CAH-SVAD
3(3,0)
Directing the Actor for Film II: PR: FIL 2481.
Characterization and scene study as it applies to directing
the actor for film. Occasional.
FIL 3492C
CAH-SVAD
3(3,1)
Performance in Film: PR: FIL 3035C. Study of the
different traditions and forms of acting in film. Occasional.

FIL 3075C
CAH-SVAD
3(3,1)
Film and Modernism I: PR: FIL 3035C and ARH
2050. Relation of film to artistic modernism centered on key
common practices such as collage, projection, movement,
serialization, superimposition, and simultaneity. Spring.

FIL 3534
CAH-SVAD
3(3,0)
Sound Design for Film I: PR: FIL 3427C and Film
BFA or C.I. Technical and aesthetic aspects of production
and post-production sound recording, editing, and mixing
for film. Fall.

FIL 3076C
CAH-SVAD
3(3,1)
Film and Modernism II: PR: FIL 3075C and ARH
2051. A continuation of Film and Modernism I. This course
concentrates on specific instances of interaction between
film and the other arts such as music, painting, photography,
theatre, and video. 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. Introductory computer graphic
techniques utilizing microcomputer systems. Techniques
include basic paint systems, color cycling and 2D animation.
Fall,Spring.

FIL 3102
CAH-SVAD
3(3,0)
Writing for Film and TV: PR: Junior standing, ENC
1102, and FIL 1007. Theories and process of screen writing
for motion pictures and television. Students learn how to
create stories and scripts for the entertainment marketplace.
Fall,Spring.
FIL 3115
CAH-SVAD
3(3,0)
Short Script I: PR: FIL 2107 and Film BFA or Cinema
Studies major, or C.I. Rudiments of writing the short script.
Analysis of script models and examination of differences
between long and short forms. Writing scripts for workshops.
Fall,Spring.
FIL 3132
CAH-SVAD
3(3,0)
Short Script II: PR: FIL 3115 and Film BFA or World
Cinema major, or C.I. Advanced writing of short scripts in
preparation for Capstone 1 and 2 courses. Spring.
FIL 3304C
CAH-SVAD
3(1,3)
Documentary Vision: PR: FIL 3363C. Styles and
approaches to documentary filmmaking, with emphasis on
making short, personal films. Spring.
FIL 3307
CAH-SVAD
3(3,0)
Docudrama: PR: FIL 2107 and Film BFA, World
Cinema, or Cinema Studies major, or C.I. Techniques to
dramatize real-life events and persons, with emphasis on
representation, adaptation and ethics. Occasional.

FIL 3734C
CAH-SVAD
3(2,4)
Intermediate Animation: PR: Experimental
Animation and Character Animation majors only, FIL 3720C
and DIG 4780C, 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)
Concentration on the film theories of film-makers in relation
to their own work and to the cinema generally. Spring.

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FIL 3820
CAH-LANG
3(3,0)
Italian Film: This course attempts to stimulate and/or
increase the interest of students in Italian cinema as an art
form with the director playing the key role. Films by most
outstanding Italian movie directors will be analyzed from a
social, economic, and historical point of view. Occasional.
FIL 3822
CAH-LANG
3(3,0)
French Film: The study of French cinema as an art form
and the key role of the director. Films are analyzed from
structural, social, economical, and historical perspectives
with attention to their relationship with French literature.
Taught in English. Occasional.
FIL 3823
CAH-LANG
3(3,0)
German Film: PR: C.I. Exploration of the form and
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 myths in cinema that influence or reflect our
culture. Spring.
FIL 3831
CAH-SVAD
3(4,0)
Black Cinema: PR: Junior standing and ENC 1102.
Independent black film movements; theory, aesthetics and
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 Cinema Studies major. Post-World
War II period of the international cinema, with emphasis on
the cinemas of Europe and Asia. Occasional.
FIL 3845
CAH-SVAD
3(3,0)
World Cinema Traditions: PR: or CR: FIL 3036 or
FIL 3037 and Film BFA, World Cinema, or Cinema Studies
major. The relationship among film, history, and culture in
selected Asian, African, Latin American, and Middle Eastern
countries. Fall,Spring.
FIL 3847
CAH-SVAD
3(3,0)
Latin American Cinema: PR: or CR: FIL 3036 or
FIL 3037 and Film BFA, World Cinema, or Cinema Studies
major. Latin American films and film movements, historical
and contemporary issues, social, and aesthetic concerns.
Spring.
FIL 3850
CAH-SVAD
3(3,0)
Cinema Directors: PR: FIL 3803C 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 2030, FIL 3803C. Modes of cinema
criticism. Occasional.
FIL 3860C
CAH-SVAD
3(3,1)
The Shot, Framing, Point of View: PR: FIL
3035C. Approaches to the shot, framing and point of view.
Occasional.
FIL 3861C
CAH-SVAD
3(3,1)
Film and Photography: PR: FIL 3076C. Historical
and Cultural relationship between photography and film.
Occasional.

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FIL 3862C CAH-SVAD 3(3,1)
Narrative Structures in Film: PR: LIT 2110 and LIT 2203. Review of film theory; Analysis of narratives in the ways in which narrative structures have been theorized and understood. Fall.

FIL 3865C CAH-SVAD 3(3,0)

FIL 3870C CAH-SVAD 3(3,1)

FIL 3871 CAH-SVAD 3(3,0)
The American Film Artist: PR: FIL 2030. Analysis of a major American filmmaker's style, vision and works; how these evolved and their impact on film and the culture. May be repeated for credit. Fall.

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 SU. 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)

FIL 4057C CAH-SVAD 3(3,1)
Hollywood Cinema: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.

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)
Honors Film Adaptation: 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 consent. Occasional.

FIL 412C CAH-SVAD 3(3,2)
Genre Writing: PR: Film major. FIL 3035C. Advanced screenwriting practice in selected genres, including comedy, horror, western, crime, etc. Occasional.
FIL 5853 CAH-SVAD 3(3,0) Independent Cinematic Forms: PR: Admission to MFA Film & Digital Media/Entreprenurial Digital Cinema track, or C.I. Evolution of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. Fall.

FIL 5864 CAH-SVAD 3(3,0) Ways of Seeing: The Expressive Potential of Film: PR: Admission to MFA Film & Digital Media, or C.I. A study of multidisciplinary theories that relate to the practice of filmmaking. Fall.

FIN 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. Graded S/U. 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: 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 as a major role or 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: ACG 2021 and ECO 2013 or ECO 2023 with a grade of "C" (2.0) or better. With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing, and management of business assets. Fall, Spring.

FIN 3403H BA-FIN 3(3,0) Honors Business Finance: PR: ACG 2021 and ECO 2013 or ECO 2023 with a grade of "C" (2.0) or better. 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 emphasized. 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) 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 3414, FIN 4243 and FIN 4404 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 in financial management. Topics include capital 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 3403 with a "B" (3.0) or better; open to majors and minors which require this course. Course examines equity investments, including market structure, trading, analysis, and valuation. Theories of efficient markets and their implications for 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. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4533 BA-FIN 3(3,0) Financial Derivatives: PR: FIN 4504 or FIN 4243, 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 4560C BA-FIN 4(3,1) Applied Portfolio Management 1: PR: Finance major, FIN 4243 with a "C" (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561C BA-FIN 4(3,1) Applied Portfolio Management 2: PR: Finance major, FIN 4560C with a "C" (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Provides 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, examination of Eurocurrency market and international bond markets. Fall, Spring.

FIN 4730 BA-FIN 3(3,0) Senior Financial Consulting I: PR: Finance major, FIN 4453H with a "B" (3.0) or better; CR; FIN 3414, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. Occasional.

FIN 4731 BA-FIN 3(3,0) Senior Financial Consulting II: PR: Finance major, FIN 4730 with a "C" (2.0) or better. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two course sequence. Students must register for both semesters. Occasional.

FIN 4941 BA-FIN 3(0,3) Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, 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 on integrating culture in the K-6 classroom. Occasional.

FLE 4333 ED-TL&L 3(3,0) Foreign Language Teaching in the Secondary School: PR: FLE 4104, proficiency in the target language and English. Methods of teaching foreign languages at the secondary level within a communicative framework. Current instructional techniques in listening, speaking, reading, and writing skills, testing, error correction. May be repeated for credit. Occasional.

FLE 5331 ED-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 6-12 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 1120H CAH-LANG 3(4,1) Elementary French Language and Civilization I: Introduces the student to French culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Fall, Spring.

FRE 1121C CAH-LANG 3(4,1) Elementary French Language and Civilization II: PR: FRE 1120C or equivalent. Continuation of FRE 1120C. Fall, Spring.

FRE 2200 CAH-LANG 3(3,1) Intermediate French Language and Civilization I: PR: FRE 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 for students who intend to take French literature courses. Fall.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 3410</td>
<td>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.</td>
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<tr>
<td>FRE 3420</td>
<td>Business French I: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.</td>
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<tr>
<td>FRE 3423</td>
<td>Advanced French Experi. 80 credit hour: 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.</td>
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<tr>
<td>FRE 3440</td>
<td>Advanced French Oral Communication: PR: FRE 2201 or equivalent. Vocabulary building with systematic training in pronunciation and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Spring.</td>
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<tr>
<td>FRE 3780</td>
<td>French Phonetics and Diction: French phonology, with emphasis on phonetic groupings. Spring.</td>
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<tr>
<td>FRE 3954</td>
<td>Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel in through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.</td>
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<tr>
<td>FRE 4422</td>
<td>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.</td>
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<tr>
<td>FRE 4471</td>
<td>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.</td>
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<tr>
<td>FRE 4503</td>
<td>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.</td>
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<tr>
<td>FRE 4752</td>
<td>Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Intensive exercises in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.</td>
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<tr>
<td>FRE 4850C</td>
<td>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.</td>
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<tr>
<td>FRT 3140</td>
<td>French and Francophone Literary Masterworks 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.</td>
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<tr>
<td>FRT 3562</td>
<td>French Contemporary Pop Culture: PR: FRE 2200. Examination of Modern France and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.</td>
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<tr>
<td>FRT 4421</td>
<td>French Medieval Literature and Culture: PR: FRW 3810. Provides students with the skills needed to read, discuss, and write about French Literature and culture of medieval France. Occasional.</td>
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<tr>
<td>FRW 3100</td>
<td>Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works of the Middle Ages through the 18th century. Fall.</td>
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<tr>
<td>FRW 3101</td>
<td>Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.</td>
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<tr>
<td>FRW 3370</td>
<td>Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.</td>
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<tr>
<td>FRW 3752</td>
<td>French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. Occasional.</td>
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<tr>
<td>FRW 4820</td>
<td>Stylitics: PR: FRE 3420 or equivalent. An intense study of textual criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts. Occasional.</td>
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<tr>
<td>FSS 2221C</td>
<td>Techniques of Food Preparation: PR: HFT 1000. Basic principles and practice of food preparation and menu development for catering events. Methods and procedures for on and off premise catered events. Fall, Spring. M&amp;S fee $70.00</td>
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<tr>
<td>FSS 2284C</td>
<td>Food Preparation for Catered Events: PR: HFT 1000, FSS 2221C, HFT 3263 and Junior standing. The purchasing procedures, specifications, and controls of food and related products in the hospitality industry. Fall. Spring. M&amp;S fee $45.00</td>
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<tr>
<td>FSS 3232C</td>
<td>Foodservice Operations Management: PR: HFT 1000 and FSS 2221C. An integrated approach that combines theory and application in providing students the opportunity to practice their skills in menu planning, food preparation, and customer service. Laboratory class. Occasional. M&amp;S fee $70.00</td>
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<tr>
<td>FSS 4135</td>
<td>Corporate Contract and Managed Services Organizations: PR: HFT 3060, FSS 2221C and Junior standing. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.</td>
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<tr>
<td>FSS 4286C</td>
<td>Catering and Banquet Organization: PR: HFT 1000, FSS 2221C, HFT 3263, and Junior standing. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. Occasional. M&amp;S fee $70.00</td>
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<tr>
<td>GEA 3403</td>
<td>Human Geography of Latin America: PR: ENC 1102 or C.I. Populations, hemispheric interdependence, and international development of Latin America. Fall.</td>
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<tr>
<td>GEA 3404</td>
<td>Migration Trends in Latin America: PR: ENC 1101 or C.I. Migration trends in Latin America and the impact that migration has had on the Americas. Spring.</td>
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<td>GEA 3455</td>
<td>Geography of Brazil: PR: ENC 1101 or C.I. Geophysical, cultural, economic, and social characteristics and processes of Brazil. Fall.</td>
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<tr>
<td>GEA 4405</td>
<td>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.</td>
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GEA 4405H CAH-LAS 3(3,0)
Honors Geography of Latin America: PR: ENC 1102H or equivalent credit and consent of Honors. Geography of Latin America and the Caribbean, including geophysical, cultural, economic, and social characteristics and processes. With honors content. Spring.

GEB 2350 BA-MAN 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 3005 BA-MAN 1(1,0)
Career Search Strategy: PR: GEB 3003. Provides a basic understanding of the importance of career professionalism in today's competitive business environment. The course focuses on personal branding and marketing and career search strategies. Fall, Spring.

GEB 3031 BA-MAN 3(3,0)
Integrated Business Foundations: PR: Admission to the Integrated Business major. Students apply and refine critical skills such as teamwork, negotiation, ethics, and communication that enhance career success. Emphasis on small to medium size firms. Fall, Spring.

GEB 3031L BA-MAN 10(2,0)
Cornerstone Lab: Professional Skills for Business: PR: C.A. major/minor or approved major/minor CR: GEB 3031. Students apply concepts and principles introduced in GEB 3031 and related skills essential to academic and professional success. Fall, Spring.

GEB 3375 BA-FIN 3(3,0)
Introduction to International Business: PR: Junior standing, permission of Honors, ACG 2071, ECO 2013 and ECO 2023, each with a "C" (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Fall, Spring.

GEB 3375H BA-FIN 3(3,0)
Honors Introduction to International Business: PR: Junior standing, permission of Honors, ACG 2071, ECO 2013 and ECO 2023, each with a "C" (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Same as GEB 3375 with honors level content. Occasional.

GEB 4004 BA-MAN 1(1,0)
Executing Your Career Plan: PR: GEB 4223. Coaches provide recommendations throughout the career search process, and help implement the career plan developed during the previous three career development courses. Fall, Spring.

GEB 4104 BA-BAC 3(3,0)
Small Business Development: PR: Admission to the Integrated Business major. Students will learn how to plan, open and manage a small business. Topics include franchising, family businesses, buying a business and independent contracting. Fall, Spring.

GEB 4223 BA-MAN 1(1,0)
Business Interviewing Techniques: PR: GEB 3005. Develops each student’s ability to make a persuasive one-on-one or small group presentation, that is designed to influence action by either the individual or small group. Fall, Spring.

GEB 4374 BA-FIN 3(3,0)
International Negotiations and Transactions: PR: Finance major, Junior standing and admission to CBA. Focusses on providing an understanding of the concepts and strategies used in international negotiations and transactions. Occasional.

GEB 4435 BA-MAN 3(3,0)

GEB 4513 BA-MAN 3(3,0)
Applied Business Technologies: PR: Admission to the Integrated Business major. Focuses on a firm's ability to recognize, evaluate, and integrate technological developments to create value, solve problems, and gain competitive advantages. Fall, Spring.

GEB 4522 BA-BA 3(3,0)

GEB 4824 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 environments. 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 strategy aspects of technology transfer and development. Occasional.

GEB 5941 BA-BA 1.5(1.5,0)
Professional Business Practicum: PR: Acceptance in the graduate program. The practicum is to provide a professional business work experience for students entering the MBA program without such experience. Occasional.

GEO 1200 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 GEO 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.

GER 1120C CAH-LANG 4(3,1)
Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall, Spring.

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 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 1121C CAH-LANG 4(3,1)
Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.

GER 2200 CAH-LANG 3(3,1)
Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

GER 2201 CAH-LANG 3(3,1)
Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.

GER 2210 CAH-LANG 3(3,0)
Intensive German Conversation: PR: GER 1121C or C.I. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

GER 2240 CAH-LANG 3(3,0)
German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

GER 2270 CAH-LANG 6(6,0)
Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. Occasional.

GER 2271 CAH-LANG 2(2,0)
Modern German Civilization Abroad I: PR: One year of College-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3102 CAH-LANG 3(3,0)
Germany - Past to Present: PR: GER 3760 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.

GER 3272 CAH-LANG 2(2,0)
Modern German Civilization Abroad II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3420 CAH-LANG 3(3,0)

GER 3440 CAH-LANG 3(3,0)

GER 3441 CAH-LANG 3(3,0)
Business German II: PR: GER 3440. Continuation of Business German I. Occasional.

GER 3470 CAH-LANG 6(6,0)
Advanced German Study Abroad: PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment. Occasional.

GER 3760 CAH-LANG 3(3,0)
Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabulary building with systematic training in diction andlocution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Even Fall.

GER 3780 CAH-LANG 3(3,0)
German Phonetics and Diction: PR: GER 2240. The fundamental principles of German pronunciation. Occasional.

GER 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 German: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.
Gew 4482 CAH-LANG 3(3,0) Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. Occasional.

Gew 4301 CAH-LANG 3(3,0) Survey of German Literature II: PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.

Gew 3370 CAH-LANG 3(3,0) Short Story: PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. Occasional.

Gew 3480 CAH-LANG 3(3,0) German Post-War Literature: PR: GER 2201. This course examines the works of German, Austrian and Swiss writers after World War II. Occasional.

Gew 4482 CAH-LANG 3(3,0) German Children’s Literature: PR: GER 2200. An introduction to the history of German children’s literature with a concentration on works after World War II. Occasional.

Gew 4531 CAH-LANG 3(3,0) The Age of Goethe and Schiller: PR: GER 2201. Selected texts of Goethe and Schiller are examined, with particular attention to their relationships to both German classicism and German romanticism. Occasional.

Gey 3001 HPA-SOWK 3(3,0) Gerontology: An Interdisciplinary Overview: PR: JUNI or SENI. An interdisciplinary perspective that bridges social and behavioral sciences, nursing, social work, allied health, and natural sciences. May be repeated for credit. Fall.

Gey 5007 CON-NURS 3(3,0) Women and Healthy Aging: PR: Graduate standing or senior standing. The examination of the health promotion opportunities and bio-psycho-social challenges of women as they age. Spring.

Gey 5600 ED-CFCS 3(3,0) Physiology of Aging: PR: BSC 2010C or PCB 3703C or APX 4115C or equivalent. The purpose of this course is to develop the student’s understanding of the effects of human aging on various body systems. Occasional.

Gey 5648 HPA-SOWK 3(3,0) Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing or C.I. The study of aging will be presented from an interdisciplinary and multidisciplinary approach spanning the social sciences and health. Occasional.

Gis 3043C UGST-INTERDISC 3(2,2) GIS for Environmental Studies: PR: CJS 1000C 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 sting 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 optimum paths, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

Gly 1030 COS-CHEM 3(3,0) Geology and its Applications: Geologic principles, applications, and hazards including: gemstones, rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

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) Honors Introduction to Computer Art: PR: ART 2201 or 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. M&S fee $15.00.

Gra 2101C CAH-SVAD 3(2,4) Introduction to Computer Art: PR: ART 2201 or consent of C.I. Priorly 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 2251C CAH-SVAD 3(2,4) Illustration: PR: ART 2201C and ART 2300C. Pictoral 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. OR: GRA 3950. Techniques and methods for studio projects used in the graphic design 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 3474C 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 illustrations for works utilizing sequential visual narrative. Fall, M&S fee $45.00.

Gra 3803C CAH-SVAD 3(2,4) Intermediate 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 3905 CAH-SVAD 0(0,0) Graphic Design Portfolio Application: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 2101C, ARH 2650, ARH 2651. Portfolio application for students entering the SVAD Graphic Design program. Graduated SU, Spring.

Gra 4154C CAH-SVAD 3(2,4) Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review. Techniques, production processes, media and materials used to create illustrations for works utilizing sequential visual narrative. 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 organization of visual design elements. Fall, M&S fee $43.00.

Gra 4197C CAH-SVAD 3(2,4) Special Problems in Graphic Design: PR: GRA 4196C. Capstone course in Graphic Design emphasizing 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 3102C and GRA 3803C. Graphic design techniques and methods related to motion graphics. Odd Fall, Spring. M&S fee $15.00.

Hbr 1120 CAH-JUD 4(4,0) Elementary Modern Hebrew Language and Culture I: Designed to initiate the student to the major language skills; listening, speaking, reading and writing, as well as to constitute an introduction to Israel culture. Fall.
be more productive. Covers types of technology for different in the event industry to solidify processes and help people

Event Technology:

PR: HFT 2750. Use of technology

HFT 3443

Event Technology: PR: HFT 2750. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. Fall, Spring.

HFT 3484


HFT 3463

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

Event Promotion: PR: HFT 2750, and HFT 2500. Promotion of events to sponsors, attendees, exhibitors and other participants. Fall, Spring.

HFT 3519

Event Services: PR: HFT 2750 and HFT 2254. The acquisition and management of services integral to the success of events. The supply side of the event industry. Fall, Spring. M&S fee $32.00

HFT 3523

Event Sales: PR: HFT 2500 and HFT 3519, or C.I. In-depth look at the sales process for events, including the development of proposals, negotiation skills and sales strategies. Fall, Spring.

HFT 3540

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

Consumer Behavior in Entertainment: PR: HFT 2071, and HFT 3595. Explores entertainment consumer behavior as driven by physiological, psychological and social domains that are impacted by marketing practices and macro-environmental factors. Fall, Spring.

HFT 3633

Hospitality Marketing: PR: HFT 2750 and HFT 3263. The study of developing strategies and implementing promotional programs, including advertising, sales, public relations, direct marketing, market research, and internet marketing. Fall, Spring.

HFT 3700

Tourism Management: PR: HFT 1000 and junior standing or C.I. Understanding 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

Meeting Management: PR: HFT 2750. The process of meeting planning from setting objectives to analyzing the success of the event. Fall, Spring.

HFT 3785

Management of Gaming Enterprises: PR: Junior level standing, an in-depth study of gaming-based organizations, including casino, clubs, 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

Leading in the Entertainment Industry: PR: HFT 2071 and HFT 2350. 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 3798

Fairs and Festivals: PR: HFT 2750. Evolution of modern day fairs and festivals. Fall, Spring.

HFT 3811

Beverage Sales, Marketing, and Distribution: PR: HFT 1000 and HFT 2254. The conceptual 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

Foodservice Marketing, Sales, and Distribution: PR: HFT 2750 and HFT 3263. Food service marketing, sales, and distribution from both an operator and supplier perspective. Fall, Spring.

HFT 3868

History and Culture of Wine: PR: Minimum age of 21 and a History course 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


HFT 3949

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

Expo Foods Management: PR: HFT 2750 and HFT 3431. Food and beverage management of special events, meetings, conventions, and exhibitions. Fall, Spring.

HFT 4075

Hospitality Information Systems: PR: HFT 2291, and HFT 2500. Focuses on management functions and impact of information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.

HFT 4206C

Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging and food service operations with a comprehensive knowledge of these related content areas; food service lab component. Occasional.

HFT 4253

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. Fall, Spring.

HFT 4255

Advanced Hotel Development: PR: HFT 4464, HFT 4733, or C.I. Hotel investment practices, risk management and other investment decision factors. Occasional. Fall, Spring.

HFT 4266

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 4268

Case Studies in Restaurant Management: PR: HFT 3283 and Junior standing or C.I. Application of case study methodology to advance topics in restaurant and food service management. Fall, Spring.

HFT 4274

Resort Management: PR: HFT 1000, HFT 2254, or C.I. Comprehensive analysis of applied theories, principles, and techniques in the management of hotels and shared ownership/time-share properties. Spring.
HFT 4275 RCHM-FOOD&LODG 3(3,0) Development of Vacation Ownership Resorts: PR: HFT 4773 and senior standing. Comprehensive analysis of applied theories, principles, and techniques used in the planning and development of vacation resorts. Occasional.

HFT 4277 RCHM-TEA 3(3,0) Club Management: PR: HFT 1000 and junior standing or C.I. A study of the history, development, operation and management of Clubs. Emphasis will be placed on operational aspects. Occasional.


HFT 4286 RCHM-HSP SERV 3(3,0) Hospitality Communications: PR: HFT 1000; HFT 2220; HFT 3444; HFT 3540 and Junior standing. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on inter departmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4295 RCHM-TEA 3(3,0) Leadership and Strategic Planning: Hospitality Industry: PR: Senior standing; PR or CR: HFT 4464. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall, Spring.

HFT 4343 RCHM-HSP SERV 3(3,0) Hospitality Facilities Management: PR: HFT 1000, HFT 2254 and Junior standing; or C.I. Principles of facility planning, design, and physical plant characteristics for hotels, timeshares and shared ownership properties, restaurants and foodservice and other hospitality related venues. Fall, Spring.


HFT 4375 RCHM-TEA 3(3,0) Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.

HFT 4377 RCHM-TEA 3(3,0) Entertainment Production Management: PR: HFT 3376. Course examines the knowledge and skills necessary to design, execute, and operate an entertainment business model, including visual storytelling, entertainment content, production plan, and budget. Fall, Spring.

HFT 4378 RCHM-TEA 3(3,0) Entertainment Portfolio Management: PR: All core Entertainment Management courses. This course challenges the student to demonstrate expert knowledge across the curriculum while building a real-life actionable entertainment business plan. Fall, Spring.

HFT 4394 RCHM-TEA 3(3,0) Event Operations: PR: All courses in the Event Management core, or C.I. Planning and implementing a live event. Fall, Spring. M&S fee $64.00

HFT 4398 RCHM-TEA 3(3,0) Entertainment Entrepreneurship: PR: HFT 3376, HFT 3375, and ECO 2013 or ECO 2023. How an entrepreneur develops a new entertainment business with a focus on finance, strategic analysis, and risk. Fall, Spring.

HFT 4413 RCHM-HSP SERV 3(3,0) Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information System. Focuses on students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. Odd Spring.

HFT 4432 RCHM-HSP SERV 3(3,0) Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry. Occasional.

HFT 4457 RCHM-HSP SERV 3(3,0) Food, Beverage, and Labor Cost Controls: PR: HFT 3263, HFT 3540 and Junior standing. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Spring.

HFT 4464 RCHM-HSP SERV 3(3,0) Hospitality Industry Finance: PR: HFT 2401. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing. Fall, Spring.

HFT 4468 RCHM-HSP SERV 3(3,0) Revenue Management in the Hospitality Industry: PR: HFT 2401, HFT 2254, HFT 2500, and HFT 3263. Revenue management practices, across multiple industry sectors, in hospitality and tourism organizations which include capacity management, demand and revenue forecasting, discounting, overbooking, displacement, rate management. Fall, Spring.

HFT 4469 RCHM-TEA 3(3,0) Financial Performance in Entertainment: PR: HFT 3463. Working knowledge of finance concepts and theories applicable to the entertainment industry including financial transactions, capital budgeting, and financial simulations. Fall, Spring.

HFT 4473 RCHM-FOOD&LODG 3(3,0) Hospitality and Tourism Development: PR: HFT 2254 or HFT 3263, HFT 2500, HFT 2401, and Junior standing. A review of conceptual development, site selection, and construction of hotel, resort/recreation, restaurant, theme park, and conference/convention center projects for both domestic and global destinations. Spring.

HFT 4522 RCHM-FOOD&LODG 3(3,0) Resort Sales Tactics and Strategies: PR: Fall, Spring. HFT 2500; or C.I. Sales tactics and business-to-business strategies employed in the sales and marketing of resort hotels, timeshares, and shared ownership properties. Fall.


HFT 4614 RCHM-TEA 3(3,0) Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 4623; or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.

HFT 4623 RCHM-TEA 3(3,0) Entertainment Law and Ethics: PR: HFT 3370, HFT 3375, and HFT 3705. The course focuses on the main legal and ethical issues affecting the entertainment industry. Fall, Spring.

HFT 4626 RCHM-TEA 3(3,0) Public Policy Issues in the Entertainment Industry: PR: HFT 3375 and HFT 4623. The course examines the degree to which entertainment businesses are intertwined with government regulations and interventions. (3 credits) Fall, Spring.

HFT 4732 RCHM-TEA 3(3,0) Tourism Impact Analysis: PR: HFT 3700. Quantitative impact analysis of tourism as an industry in the regional/national economy along the tourism satellite accounts concept. Fall, Spring.

HFT 4735 RCHM-TEA 3(3,0) Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geopolitical tourism destinations in U.S. and the World. Fall, Spring.


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 2750 or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. Fall, Spring.

HFT 4755 RCHM-TEA 3(3,0) Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandise, 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 result in 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 Attraction 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 4795 RCHM-TEA 3(3,0) Entertainment Arts and Events: PR: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, costuming, staffing, and evaluation. Fall, Spring.

HFT 4796 RCHM-TEA 3(3,0) International Events: PR:HFT 2750. Considerations when planning events that are held outside of the United States or that attract a large number of participants from outside the United States. Fall, Spring.

HFT 4802 RCHM-TEA 3(3,0) Catering Sales Management: PR: HFT 2750, HFT 3523, HFT 3670, and FSS 2284C, or C.I. The catering manager's role in the catering sales process. Emphasis on market segments, customer relationships, menu planning, financial impact, internal communication/documentation and event oversight. Fall, Spring. M&S fee $45.00

HFT 4861 RCHM-FOOD&LODG 3(3,0) Beverage Management: PR: HFT 1000 and Junior Standing. The origin production, storing, marketing, and control of beverages in the hospitality industry. Fall, Spring.

HFT 4868 RCHM-FOOD&LODG 3(3,0) Sensor in Quality Brewing and Fine Beer: PR: HFT 1000. minimum age of 21 by first day of class. The production and service of malt beverages. Fall, Spring. M&S fee $45.00
HSA 4850
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 4109
Organizations & Management for Health Agencies II: PR: HSA 3111 or admitted to HIM program. Management of health care organizations, strategic planning, healthcare economics, and healthcare financial management. Fall, Spring.

HSA 4180
Organization & Management for Health Agencies II: PR: HSA 3111 and HSA 4180. Management of health care organizations including hospitals, long term care facilities, and medical group practices. Fall, Spring.

HSA 4191
Fundamentals of Health Information Technology: PR: HSA 3111, C.I. Credit 2100C, or C.I. 1060C; or C.I. The origin, evolution and application of health information technology in today's healthcare industry. Fall, Spring.

HSA 4220

HSA 4502

HSA 4702
Health Services Research Methods: PR: STA 2014C or STA 2023) and Junior Standing, or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Fall, Spring.

HSA 4850
Health Services Administration Internship: PR: HSA 4853, 2.75 Major GPA, 90 overall credit hours, 24 HSA credit hours, approval of the Internship Director. 150 hour minimum administrative experience in an approved health care organization. Fall, Spring.

HSA 4853
Internship Orientation: PR: 2.75 Major GPA, 90 overall credit hours, 24 HSA credit hours. This prerequisite for HSA 4850 provides critical information for the internship search. The course must be completed no more than one semester prior to the internship. Fall, Spring.

HSA 4939
Health Services Administration Capstone: PR: HSA major and senior standing, HSA 3170, HSA 3430. Capstone course applies healthcare administration theory to a healthcare organization. Students will integrate previous coursework to evaluate an existing healthcare organization. Fall, Spring.

HSA 5177
Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. Occasional.

HSA 5198
Health Care Decision Sciences and Knowledge Management: PR: Graduate standing. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving managerial decision making process will be presented. Spring.

HSA 5436
Foundations of Health Care Economics: PR: Admission to HSA program or C.I. Preparatory course for graduate students. Students are not prepped to take C.I. Credit 3000C, or C.I. Credit 3000C. Students must complete both courses in sequential order in order to apply for Risk Management licensure. Fall, Spring.

HSA 5504
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. Fall, Spring.

HSC 1931C
Foundations of Leadership: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Occasional.

HSC 2000
Introduction to the Allied Health Professions: PR: Freshman and Sophomores only. A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Graded S/U. Fall.

HSC 2524
Introduction to Human Disease: PR: BSC 2010C, 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 leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. 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

HSC 3211
Preventive Health Care: PR: PCB 3703C. 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

HSC 3537
Medical Terminology: A study of the language of medicine and allied health specialties, including work construction, definitions and application of terms. Fall, Spring.

HSC 3559
Disabilities in American Society: PR: Junior or senior status. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. Fall.

HSC 3593
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. General pharmacological principles such as regulations, prescriptions, routes of administration, drug interactions, indications/contraindications, and the side effects. Fall.

HSC 4159

HSC 4201
Community Health: PR: ENC 1102 and Junior Standing. Principles of health, health professions, 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 4501
Epidemiology of Chronic Diseases: PR: ZOO 3733C, PCB 3703C, and (STA 2014C or STA 2023). Epidemiology of chronic diseases including risk factors, etiology, mortality and morbidity as they relate to clinical practice, research, and intervention. Occasional.

HSC 4553
Concepts in Pathophysiological Diagnosis: PR: HSC 4555 or HSC 4556, 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, or C.I. Abnormalities in physiologic functioning of the human body with, focus on the endocrine, cardiac and respiratory, renal and cardiovascular systems. Fall, Spring.

HSC 4558
Pathophysiology II: PR: PCB 3703C and ZOO 3733C. Abnormalities in physiologic functioning of the human body, with focus on the endocrine, respiratory, neurological, and cardiovascular 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. Basic principles of both normal and medical nutrition therapy associated with health and chronic diseases of public health importance. Fall, Spring.
HSC 4652 HPA-HP 3(3,0) Health Law and Ethics: PR: ENC 1102 and Junior Standing, or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. Fall, Spring.

HSC 4730 HPA-HP 3(3,0) Applied Health Research Methodology: PR: (STA 2023 or STA 2043C) and Junior Standing. Clinical research issues including: clinical research questions, protocol development, patient safety, IRB, ethics and patient rights. Occasional.

HSC 4930 HPA-HP 3(3,0) Senior Seminar: PR: Senior standing, Health Sciences Pre-Clinical Track only. Career and graduate school preparation, and applications of clinical and translational research in healthcare. Fall, Spring.

HSC 4943 HPA-HP 3(0-9-12) Health Sciences Internship: PR: Junior standing, 3.5 UCF GPA, HSC 4555 or HSC 4556, and approval of the Program Director. Provides students with an opportunity to apply academic knowledge in a real-world environment. Internship sites include clinical shadowing, research, and other community outreach opportunities. Occasional.

HSC 5317 ED-ESHS 3(3,0) Health Methods: Teaching Strategies and Interventions: PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, methodology, and curriculum to develop a comprehensive school health program. Occasional.

HUM 2020 CAH-PHIL 3(3,0) Encountering the Humanities: The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities. Spring.

HUM 2020H CAH-PHIL 3(3,0) Honors Encountering the Humanities: PR: Consent of Honors. The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities with honors content. Fall, Spring.

HUM 2210 CAH-PHIL 3(3,0) Humanistic Tradition I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2210H CAH-PHIL 3(3,0) Honors Humanistic Tradition I: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall.

HUM 2230 CAH-PHIL 3(3,0) Humanistic Tradition II: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2230H CAH-PHIL 3(3,0) Honors Humanistic Tradition II: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content. Spring.

HUM 3252 CAH-PHIL 3(3,0) Contemporary Humanities: PR: Any HUM course or C.I. Multicultural study of Philosophy and the arts of the 20th century. Occasional.

HUM 3255 CAH-PHIL 3(3,0) Modern Humanities: PR: Any HUM course or C.I. Multicultural study of Philosophy and the arts of the modern period. Occasional.
IDH 4934  IDS 4934
Occasional.
academia, government, and UCF speakers. Students sustainability. Seminars and lectures from industry, organizations. With Honors content.
theories and principles applicable to problems in industrial
Industrial/Organizational Psychology:
biomedical research applications.
Graduate standing. Fundamental theory, design, and
academic/career goals.
interdisciplinary studies, applied to the course of study and
of interdisciplinary approaches and successful synthesis of
exposition of coursework demonstrating the understanding
PR: IDS 3933, Junior
Capstone Experience:
Cornerstone Experience:
IDS 3933
Comparative study of cultures, economies, languages, and
different disciplines to address regional, national, and
global environmental issues. Spring.
IDS 3333  UGST-INTERDISC 3(3,0)
World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and
social systems using approaches and data from multiple disciplines. Occasional.
IDS 3933  UGST-INTERDISC 3(3,0)
Cornerstone Experience: PR: ENC 1102. Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and
methodological tools, to synthesize material from
disparate fields and apply them to academic plans and
career goals. Fall, Spring.
IDS 4204C  ECS-ECS 3(2,2)
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 format of mini seminars. Occasional.
IDS 4934  UGST-INTERDISC 3(3,0)
Capstone Experience: PR: IDS 3933, Junior standing, and Interdisciplinary Studies major, or C.I. Student exposition of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic/career goals. Fall, Spring.
IDS 5127  COM-BSBS 3(3,0)
Foundation of Bio-Imaging Science: PR: Graduate standing. Fundamental theory, design, and practice of modern bio-imaging techniques used for basic biomedical research applications. Occasional.
INP 3004  COS-PSYCH 3(3,0)
INP 3004H  COS-PSYCH 3(3,0)
INP 3141C  COS-PSYCH 1-3(3,0-9)
Advanced Applied Psychology: PR: PSY 2012 and C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.
INP 3951  COS-PSYCH 3(10)
Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.
INP 4313  COS-PSYCH 3(3,0)
Organizational Psychology: PR: PSY 2012. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, intergroup behavior, and organization development. Fall.
INP 4380  COS-PSYCH 3(3,0)
Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups and teams from social and applied psychology perspectives. Occasional.
INP 5825  COS-PSYCH 3(3,0)
Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interface design, including user, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.
INR 2002  COS-POLS 3(3,0)
International Relations-Theory and Practice: PR: ENC 1102 or C.I. Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.
INR 3016  COS-POLS 3(3,0)
Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income gap to gender issues and environmental challenges. Occasional.
INR 3250  COS-POLS 3(3,0)
INR 3253  COS-POLS 3(3,0)
International Politics of Africa: PR: ENC 1102 or POS 2041 or C.I. The broad structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.-African relations. Occasional.
INR 4008  COS-POLS 3(3,0)
Global Perspectives: PR: ENC 1102 or C.I. The historical and contemporary contexts of globalization. Fall, Spring.
INR 4011  COS-POLS 3(3,0)
Politics of Globalization: PR: ENC 1102 or POS 2041 or C.I. Major political causes and consequences of globalization. Occasional.
INR 4030  COS-POLS 3(3,0)
Diplomacy: PR: ENC 1102 or POS 2041 or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. Spring.
INR 4030H  COS-POLS 3(3,0)
INR 4035  COS-POLS 3(3,0)
International Political Economy: PR: ENC 1102 or POS 2041 or C.I. The international politics of regional and global economic interdependence, with emphasis upon North-South relations, the New International Commodity Order, OPEC, and multinational corporations. Odd Spring.
INR 4054  COS-POLS 3(3,0)
Global Politics of Energy: PR: ENC 1102 or POS 2041 or C.I. International/national dimensions of global energy policy within developed and underdeveloped countries. Occasional.
INR 4060  COS-POLS 3(3,0)
Causes of War: PR: ENC 1102 or POS 2041 or C.I. Theoretical and empirical research explaining militarized interstate conflict. Fall.
INR 4063  COS-POLS 3(3,0)
The Cold War: PR: ENC 1102 or POS 2041 or C.I. Politics of US-Soviet relations emphasizing the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. Occasional.
INR 4074  COS-POLS 3(3,0)
Migration Policy: PR: ENC 1102 or POS 2041 or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, and statelessness and their political/security impact. Occasional.
INR 4075  COS-POLS 3(3,0)
INR 4076  COS-POLS 3(3,0)
Global Drug Policy: PR: ENC 1102 or POS 2041 or C.I. International drug control issues, policy formulation and enforcement, impact of government and political economic systems and drug policy. Selected Latin American and Third World cases. Odd Spring.
INR 4083  COS-POLS 3(3,0)
War and Violent Politics: PR: POS 2041 or C.I. The theoretical and practical disciplinary debates on war and related phenomena, including civil war, genocide, and riots. Occasional.
INR 4084  COS-POLS 3(3,0)
Politics of International Terrorism: PR: ENC 1102 or POS 2041 or C.I. Nature and politics of terrorism with primary focus on its implications for international relations. Occasional.
INR 4085  COS-POLS 3(3,0)
Women, Gender, and Globalization: PR: ENC 1102 or POS 2041 or C.I. Theoretical and empirical research on gender and gender perspectives in International Relations, Globalization, and International Political Economy. Occasional.
INR 4102  COS-POLS 3(3,0)
American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. Odd Fall.
INR 4104  COS-POLS 3(3,0)
Topics and Cases in American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. General or special analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.
INR 4114  COS-POLS 3(3,0)
American Security Policy: PR: ENC 1102 or POS 2041 or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. Occasional.
INR 4115  COS-POLS 3(3,0)
Strategic Weapons and Arms Control: PR: ENC 1102 or POS 2041 or C.I. History and analysis of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.
INR 4116  COS-POLS 3(3,0)
INR 4224  COS-POLS 3(3,0)
Contemporary International Politics of Asia: PR: ENC 1102 or POS 2041 or C.I. Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>INR 4225</td>
<td>COS-POLS The Vietnam War</td>
<td>PR: POS 2041 or INR 2002 or C.I. Background of events leading to America's involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Occasional.</td>
</tr>
<tr>
<td>INR 4243</td>
<td>COS-POLS International Politics of Latin America: PR: ENC 1102 or POS 2041 or C.I. Study of contemporary U.S.-Latin American relations, inter-American politics and organizations, and the role of Latin America in the world. Occasional.</td>
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<tr>
<td>INR 4274</td>
<td>COS-POLS International Politics of the Middle East</td>
<td>PR: Either INR 2002, CPO 3103 or POS 2041. Examines foreign relations among Middle Eastern states and related actors, including, but not limited to, the great powers of the world. Occasional.</td>
</tr>
<tr>
<td>INR 4304</td>
<td>COS-POLS Issues in International Public Policy</td>
<td>PR: ENC 1102 or POS 2041 or C.I. Endogenous and exogenous variables, including policy analysis and decision-making, which influence select international public policy issues. Occasional.</td>
</tr>
<tr>
<td>INR 4333</td>
<td>COS-POLS International Security</td>
<td>PR: POS 2041 or C.I. The security relations and problems of nation states. Occasional.</td>
</tr>
<tr>
<td>INR 4335</td>
<td>COS-POLS Coercion in International Politics</td>
<td>PR: ENC 1102 or POS 2041 or C.I. Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. Even Fall.</td>
</tr>
<tr>
<td>INR 4530</td>
<td>COS-POLS Global Environmental Politics</td>
<td>PR: ENC 1102 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. Fall.</td>
</tr>
<tr>
<td>INR 4531</td>
<td>COS-POLS International Environmental Law</td>
<td>PR: ENC 1102 or POS 2041 or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth’s biosphere when challenged by national sovereignty and economic and cultural diversity. Occasional.</td>
</tr>
<tr>
<td>INR 4536</td>
<td>COS-POLS Intelligence Analysis and Reporting</td>
<td>PR: POS 2041 or INR 2002 or ENC 1102. Foreign intelligence analysis and its interaction with organizations, politics, and psychology to shape political decisions. Occasional.</td>
</tr>
<tr>
<td>INR 4536</td>
<td>COS-POLS The Intelligence Community</td>
<td>PR: ENC 1102 or POS 2041 or C.I. The intelligence community structure in its relationships to foreign policy decision making, consideration of control and reliability questions, and issues of cooperation and coordination. Spring.</td>
</tr>
<tr>
<td>INR 4401</td>
<td>COS-POLS International Law</td>
<td>PR: ENC 1102 or POS 2041 or C.I. The nature, evolution, and sources of international law and examination of various sub-areas as recognition, maritime law, nationality, and war. Fall.</td>
</tr>
<tr>
<td>INR 4404</td>
<td>COS-POLS Space Law</td>
<td>PR: Junior standing, or C.I. Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. Occasional.</td>
</tr>
<tr>
<td>INR 4502</td>
<td>COS-POLS International Organizations</td>
<td>PR: ENC 1102 or POS 2041 or C.I. The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. Even Fall, Odd Spring.</td>
</tr>
<tr>
<td>INR 4603</td>
<td>COS-POLS International Relations Theory</td>
<td>PR: ENC 1102 or POS 2041 or C.I. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and post-modernism. Fall-Spring.</td>
</tr>
<tr>
<td>INR 4714</td>
<td>COS-POLS Politics of International Trade Policy</td>
<td>PR: ENC 1102 or POS 2041 or C.I. Key actors and processes of international trade policy-making at the sub-national, national, regional, and global levels of analysis. Occasional.</td>
</tr>
<tr>
<td>INR 4744</td>
<td>COS-POLS Militaries in World Politics</td>
<td>PR: POS 2041, or INR 2002, or C.I. Civil-military relations and its relevance to international relations and comparative politics. Occasional.</td>
</tr>
<tr>
<td>INR 4764</td>
<td>COS-POLS Cyberwarfare Policy</td>
<td>PR: POS 2041 or ENC 1102 or INR 2002 or C.I. How nations, groups and individuals throughout the world use internet/cyber-attacks for military, political, and economic gains over their adversaries. Occasional.</td>
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<tr>
<td>INR 4765</td>
<td>COS-POLS Emerging Space Powers</td>
<td>PR: POS 2401, or C.I. Examination of states efforts to develop space technologies for purposes of economic, social and military development. Occasional.</td>
</tr>
<tr>
<td>INR 4774</td>
<td>COS-POLS Military Space Policy</td>
<td>PR: ENC 1102 or POS 2041 or C.I. Policies and policymaking involved in militaries globally; consideration of effects on globalization and international policies economic and military. Occasional.</td>
</tr>
<tr>
<td>INR 4933H</td>
<td>COS-POLS Honors Human Trafficking</td>
<td>PR: INR 2002 or C.I. An interdisciplinary Honors seminar designed to help students gain a better understanding of contemporary human trafficking, also known as slavery and forced servitude. Occasional.</td>
</tr>
<tr>
<td>ITA 2054</td>
<td>COS-MATH STEM Seminar I: PR: Admission to an ISTEM sponsored program. Study skills, faculty networking, exposure to STEM professionals. Graded S/U. Fall.</td>
<td></td>
</tr>
<tr>
<td>ITA 2055</td>
<td>COS-MATH STEM Seminar II: PR: Admission to ISTEM sponsored program. Study skills, faculty networking, exposure to STEM professionals, STEM shadowing experience. Graded S/U. Spring.</td>
<td></td>
</tr>
<tr>
<td>ITA 2215</td>
<td>COS-MATH Interdisciplinary Applications of Calculus I: CR: MAC 2311. Interdisciplinary applications of differential and integral calculus topics in MAC 2311 to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.</td>
<td></td>
</tr>
<tr>
<td>ITA 2216</td>
<td>COS-MATH Interdisciplinary Applications of Calculus II: CR: MAC 2312. Interdisciplinary applications of differential and integral calculus topics in MAC 2312 to the solution of concrete problems in science, mathematics, and engineering disciplines. Spring.</td>
<td></td>
</tr>
<tr>
<td>ITA 1120C</td>
<td>CAH-LANG Elementary Italian Language and Civilization</td>
<td>I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall-Spring.</td>
</tr>
<tr>
<td>ITA 1121C</td>
<td>CAH-LANG Elementary Italian Language and Civilization</td>
<td>I: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. Fall-Spring.</td>
</tr>
<tr>
<td>ITA 2200</td>
<td>CAH-LANG Intermediate Italian Language and Civilization</td>
<td>I: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture. Fall.</td>
</tr>
<tr>
<td>ITA 2201</td>
<td>CAH-LANG Intermediate Italian Language and Civilization</td>
<td>I: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization. Occasional.</td>
</tr>
<tr>
<td>ITA 3420</td>
<td>CAH-LANG Italian Composition</td>
<td>PR: ITA 2201 or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.</td>
</tr>
<tr>
<td>ITA 3564</td>
<td>CAH-LANG Modern Italian Culture</td>
<td>PR: ITA 2200 or C.I. Modern Italian culture (1950s through today) through literature, film, and mass media. Spring.</td>
</tr>
<tr>
<td>ITA 3760</td>
<td>CAH-LANG Advanced Italian Oral Communication</td>
<td>PR: ITA 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.</td>
</tr>
<tr>
<td>ITA 4280</td>
<td>CAH-LANG Italian Syntax Abroad</td>
<td>PR: ITA 3420. A study of Italian Syntax for advanced students of Italian. Occasional.</td>
</tr>
<tr>
<td>ITT 3301</td>
<td>CAH-LANG Italian &amp; Italian American Women’s Literature</td>
<td>PR: ENC 1102 or C.I. Novels and short stories by some major Italian and Italian-American women writers. Occasional.</td>
</tr>
<tr>
<td>ITT 3480</td>
<td>CAH-LANG Italian Literature in Translation</td>
<td>PR: ITA 2201 or C.I. Main literary tendencies and authors of Italian literature. Occasional.</td>
</tr>
<tr>
<td>ITT 4300</td>
<td>CAH-LANG From Italy to America</td>
<td>PR: ITW 3101 or C.I. The course connects Italy and the US, their history and culture. Occasional.</td>
</tr>
<tr>
<td>ITT 4956</td>
<td>CAH-LANG Study Abroad: Modern and Contemporary Italian Culture</td>
<td>PR: Junior standing and C.I. Modern and contemporary Italian culture in the natural environment. Occasional.</td>
</tr>
<tr>
<td>ITT 4956H</td>
<td>CAH-LANG Honors Italian Literature in Translation</td>
<td>PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian Literature, with honors content. Occasional.</td>
</tr>
<tr>
<td>ITW 3108</td>
<td>CAH-LANG Survey of Italian Literature</td>
<td>PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.</td>
</tr>
<tr>
<td>ITW 3109</td>
<td>CAH-LANG Survey of Italian Literature II</td>
<td>PR: ITA 2201. Main currents and writers in Italian literature from the 16th to the present. Occasional.</td>
</tr>
<tr>
<td>ITW 3373</td>
<td>CAH-LANG Modern Italian Short Story</td>
<td>PR: ITA 2201 or C.I. Selection of short stories written by the most significant Italian writers of the 20th century. Even Fall.</td>
</tr>
<tr>
<td>JOU 2100C</td>
<td>COS-COMM News Reporting</td>
<td>PR: Com pending, or Journalism Major, or Magazine Journalism Minor and meet grammar proficiency requirement. News gathering and writing for the mass media. Fall-Spring.</td>
</tr>
<tr>
<td>JOU 3004</td>
<td>COS-COMM History of American Journalism</td>
<td>PR: ITA 2200 or C.I. Development of mass media, leading innovators, and the media’s role in the nation’s history. Fall-Spring.</td>
</tr>
</tbody>
</table>

LAH 4630 CAH-HIST 3(3,0) History of Modern Brazil: PR: WOH 2022 or C.I. Major themes of the history of modern Brazil (ca. 1750-present). Occasional.

LAH 4742 CAH-HIST 3(3,0) The Mexican Revolution: PR: AMH 2020 or C.I. Political, social, cultural, and economic history of Mexico since 1910. Occasional.


LAH 5713 CAH-HIST 3(3,0) Colloquium in U.S.-Latin American Relations: PR: Graduate standing or C.I. The course will analyze U.S.-Latin American relations from an historical perspective. It will be presented through readings and discussion of selected materials. Occasional.

LAH 5920 CAH-HIST 3(3,0) Colloquium in Latin American History: PR: Graduate standing or C.I. Examines major themes and historiography of recent works on Latin American history. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LAS 3002 CAH-LAS 3(3,0) Topics in Latin American Studies: PR: SPN 1121C or PR: SPN 2203 or equivalent. Corequisites may be substituted when they fulfill requirements of Latin American studies. Fall, Spring.

LAS 3101 CAH-LAS 3(3,0) Latin American Popular Culture: PR: SPN 1121C and CR: SPN 1121C. Examines folklore and popular culture of Latin American countries. Credits apply toward Latin American studies coursework only when course content is different.

LAS 3220 CAH-LAS 3(3,0) Brazilian Culture: PR: ENC 1102. Interdisciplinary examination of Brazilian culture from cinema, music, literature, and fine arts. Spring.

LAS 4023 CAH-AS 3(3,0) African Caribbean Experience: PR: ENC 1102 or C.I. Interdisciplinary study of the evolution of African Caribbean culture, its influence on institutions, social and political movements, and contemporary Caribbean society. Occasional.

LAS 4910 CAH-LAS 3(3,0) Capstone: PR: LAS 3990. Research project in Latin American Studies. Fall, Spring.

LDR 2001 UGST-INTERDISC 2(2,0) Foundations of Leadership: PR: Student enrolled in LEAD Scholars, Leadership Studies minor or certificate. Introductory study into the foundations of leadership, including leadership theories and related principles and practices. Fall.


LDR 2262 UGST-INTERDISC 10(1,0) Focused Volunteer Community Service: Students will engage in volunteer experiences and reflect upon the value of those experiences. Graded SU. Fall, Spring.

LDR 3215 UGST-INTERDISC 2(2,0) Leadership Through Service: An Advanced Leadership Experience: PR: LDR 2001 and LDR 2002. Theories, processes, and leadership in social change will be explored, contemporary leadership theories and practices related to citizenship and civic engagement will be studied, and leadership will be practiced in various settings. Fall.

LDR 3950 UGST-INTERDISC 2(2,0) Leadership in Action: Capstone Experience for LEAD Scholars: PR: LDR 3215. Leadership issues and theories, including related principles and practices. Students will develop a professional portfolio, reflect on their course of study, practice public speaking, and articulate their leadership philosophy. Spring.

LEI 4266 ED-ENHS 3(1,2) Outdoor and Leisure Activities: PR: Admission to the Sport and Exercise Science Program or Community Sport and Fitness Minor, and minimum overall 2.5 GPA. Study, selection and evaluation of outdoor activities. Course will include but be limited to the “adventure activity curriculum,” camping, water activities, fishing, orienteering, hiking. Occasional.

LIN 3010 CAH-ENG 3(3,0) Principles of Linguistics: PR: Grade of C (2.0) or better required in ENC 1102. An overview of the modern linguist’s approach to language. Analytic methods of phonology, morphology, syntax. Brief systematic survey of phonology, language acquisition, and semantics. Occasional.

LIN 3673 CAH-WRITE 3(3,0) Rhetorical Grammar: PR: ENC 1102. Focus on learning and practicing grammatical techniques that today’s expert writers use to increase rhetorical impact on the reader. Occasional.

LIN 3713 HPA-COM &S&D 3(3,0) Language Science and Disorders: PR: Basic knowledge of language components, models of language production and comprehension, and theories of language development. Fall, Spring.

LIN 3716 HPA-COM &S&D 3(3,0) Language Development: PR: LIN 3713; CR: LIN 3713L. Spoken and written language development from infancy to adulthood. Fall, Spring.


LIN 4105 CAH-ENG 3(3,0) History of the English Language: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Study of the English language and its development from Anglo-Saxon to Modern. Fall, Spring.

LIN 4600 CAH-WRITE 3(3,0) Language and Society: PR: Grade of C (2.0) or better required in ENC 1102. Examines language and society, and the relationship of sociolinguistics to identity and culture. Occasional.

LIN 4615 CAH-ENG 3(3,0) African-American Styles of Communication: PR: Grade of C (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted with Anglo-American norms with attention given to speech acts, kinesthetic, paralinguistics, and gender roles. Occasional.

LIN 4643 CAH-ENG 3(3,0) Cross Cultural Communication: PR: Junior standing or C.I. and C (2.0) or better required in ENC 1102. Styles of spoken, written, and nonverbal communication of selected cultural groups. Occasional.

LIN 4643H CAH-ENG 3(3,0) Honors Cross-Cultural Communication: PR: ENC 1102H and permission of Honors. Styles of spoken, written, and nonverbal communication of selected cultural groups with honors level content. Occasional.

LIN 4660 CAH-ENG 3(3,0) Linguistics and Literature: PR: Grade of C (2.0) or better required in LIN 3010 or C.I. Language study as an aid to understanding literature. Occasional.

LIN 4680 CAH-ENG 3(3,0) Modern English Grammar: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. Spring.

LIN 4801 CAH-ENG 3(3,0) 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. Occasional.

LIN 5137 CAH-ENG 3(3,0) Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675 CAH-ENG 3(3,0) English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2110 CAH-ENG 3(3,0) World Literature I: PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.

LIT 2120 CAH-ENG 3(3,0) World Literature II: PR: ENC 1102. Readings from Moliere, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 3082 CAH-ENG 3(3,0) Continental European Fiction Since 1900: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3132 CAH-ENG 3(3,0) Legend & Literature of King Arthur: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Surveys 1500 years of Arthurian legend and literature, including such authors as Thomas Malory, Chretien de Troyes, and Malwina Wawn. Occasional.

LIT 3192 CAH-ENG 3(3,0) Caribbean Literature: PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; in English. Occasional.

LIT 3192H CAH-ENG 3(3,0) Honors Caribbean Literature: PR: Permission of Honors and ENC 1102 or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Honors content. Occasional.

LIT 3202 CAH-ENG 3(3,0) Death and Dying: PR: 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 CAH-ENG 3(3,0) 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 CAH-ENG 3(3,0) Place and Space in Literature: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Analysis of how authors develop place and space and how this creates meaning in texts. Occasional.

LIT 3206H CAH-ENG 3(3,0) 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 CAH-ENG 3(3,0) 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 Occasional.
LIT 3313 CAH-ENG 3(3,0) 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. Occasional.

LIT 3313H CAH-ENG 3(3,0) Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings.Honors content. Occasional.

LIT 3368 CAH-ENG 3(3,0) Magical Realism in Literature: PR: Grade of “C” (2.0) or better in ENC 1102, or C.I. Magical realism in literature, including consideration of its popularity, development, and treatment in various cultural contexts. Occasional.

LIT 3381 CAH-ENG 3(3,0) 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. Occasional.

LIT 3383 CAH-ENG 3(3,0) 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. Occasional.

LIT 3383H CAH-ENG 3(3,0) Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Honors content. Occasional.

LIT 3374 CAH-ENG 3(3,0) Literature of AIDS: PR: Grade of “C” (2.0) or better required in ENC 1102 or C.I. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.

LIT 3394H CAH-ENG 3(3,0) Honors Literature of AIDS: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS: Essays, short stories, plays, poetry, diaries, and novels. Honors content. Occasional.

LIT 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 countries, emphasizing in different iterations. 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) Honors Literature & Popular Culture: PR: Consent of Honors. Analysis of media to determine popular values in the formation of popular cultural perceptions. With Honors Content. Occasional.

LIT 3505 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 3533H CAH-ENG 3(3,0) Honors Literature and Law: PR: Consent of Honors. Reading, analysis, and discussion of law, crime, and punishment in literature from historical or contemporary perspectives. With Honors Content. Occasional.

LIT 4043 CAH-ENG 3(3,0) Modern Drama As Literature: PR: Grade of C (2.0) or better required in ENG 3104. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.

LIT 4184 CAH-ENG 3(3,0) Irish Literature: PR: Grade of C (2.0) or better required in ENG 3104. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. Occasional.

LIT 4223 CAH-ENG 3(3,0) Postcolonial Theory and Literature: PR: Grade of C (2.0) or better required in ENG 3104. Focus on the nature of colonial discourse, the strength of postcolonial revaluations, and the development of postcolonial theory to other theories. Occasional.

LIT 4244 CAH-ENG 3(3,0) World Authors: PR: Grade of C (2.0) or better required in ENG 3104 or C.I. Study of the works of a single non-British and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.
MAC 1140C COS-MATH (3,3)
College Trigonometry: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105C with a "C" (2.0) or higher, or C.I. The circle arc length, identities, trigonometric functions, inverse functions, applications to simple harmonic motion, function of angles, complete development of triangle solving. Prepares students for upper level mathematics. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1140C COS-MATH (3,3)
Pre-Calculus Algebra: PR: Appropriate score on the Math Placement Exam, or MAC 1105C with a "C" (2.0) or better, or C.I. Properties and graphs of polynomials, rational, exponential and logarithmic functions, matrices, sequences and series, conics, induction, binomial theorem. Introduction to limits. Prepares students for upper level mathematics. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1140H COS-MATH (3,3)
Honors Pre-Calculus Algebra: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105C with a "C" (2.0) or better, or C.I. Properties and graphs of polynomials, rational, exponential and logarithmic, piecewise defined functions; matrices, conic sections, sequences and series, binomial theorem, mathematical induction, and applications with additional honors content. The "NC" grading policy applies to this course. Occasional.

MAC 2147 COS-MATH (5,5)
Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematics background who do not want the entire integrated calculus sequence. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2233 COS-MATH (3,3)
Concepts of Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better, or C.I. Differential and integral calculus of exponential and logarithmic functions, applications to business analysis. Not open to students with credit in MAC 2235 or MAC 2311C. The "NC" grading policy applies to this course. Occasional.

MAC 2253 COS-MATH (3,3)
Applied Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1114C with a "C" (2.0) or better, or C.I. Differential and integral calculus. Applications to engineering technology. Not open to students with credit in MAC 2253 or MAC 2311C. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311C COS-MATH (4,3)
Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1114C with a "C" (2.0) or better, or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2235 or MAC 2311C. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2312 COS-MATH (4,4)
Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, or an AB sub-score of 5 or better on the Calculus BC Advanced Placement Exam. Differentiation and integration of exponential, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. Fall, Spring.

MAC 2312H COS-MATH (4,4)
Honors Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, and permission of Honors. Differentiation and integration of exponential, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. With Honors content. Fall, Spring.

MAC 2313 COS-MATH (4,3)
Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. Fall, Spring.

MAC 2313H COS-MATH (4,3)
Honors Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, and permission of Honors. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stoke’s Theorem. With Honors content. Spring.

MAD 2104 COS-MATH (3,3)
Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof, and applications to computer science. Fall, Spring.

MAD 4203 COS-MATH (3,3)
Introduction to Combinatorics: PR: MAC 2312, and either MHF 3302 or COT 3100C, or C.I. Counting principles; permutations and combinations, multisets; recurrence relations and generating functions; combinatorial designs; the Polya theory of counting. Fall, Spring.

MAD 4301 COS-MATH (3,3)
Introduction to Graph Theory: PR: Either MHF 3302 or COT 3100C, or C.I. Graph theory; isomorphism, connectivity, traversability, matchings, factorizations, planarity, colorings, and Ramsey number. Spring.

MAD 4934 COS-MATH (3,3)
Topics in Discrete Mathematics: PR: MAS 3106 and either MAD 4203 or MAD 4301, or C.I. Advanced topics in discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAD 5205 COS-MATH (3,3)
Graph Theory I: PR: MAD 2403, graduate standing or C.I. Connectivity, Hamilton cycles, spanning trees, network flows, matchings, vertex and edge colorings planar graphs, extremal problems, Ramsey theory, spectral graph theory. Odd Spring.

MAE 2801 ED-TL&L (4,3)
Elementary School Mathematics: PR: MAC 1105C or MSG 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers: concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAE 3310 ED-TL&L (3,0)
Elementary Mathematics for Teaching I: PR: Junior standing or C.I. This course will address pedagogical content knowledge for teaching whole number concepts and operations, integer concepts, geometry and algebraic reasoning. Fall, Spring.

MAE 3311 ED-TL&L (3,0)
Elementary Mathematics for Teaching II: PR: MAE 3310 with a "C" (2.0) or better. This course will address pedagogical content knowledge for teaching rational number concepts and operations, measurement, and algebraic reasoning. Fall, Spring.

MAE 3366 ED-TL&L (3,0)
Middle and High School Mathematics for Teachers I: PR: Admission to the Teacher Education major or minor. This course provides a foundation in the pedagogical content knowledge for teaching mathematics for the middle and high school settings with an emphasis on algebra and geometry. Spring.

MAE 4300 ED-TL&L (3,0)

MAC 5336 ED-TL&L (3,0)
How Children Learn Mathematics: PR: MAE 4310 and MAE 3311. CR: EDE 3942. Instructional strategies, learning activities, the use of manipulatives, assessment evaluation, application of mathematical learning, and diagnostic techniques. Fall, Spring. M&S fee $10.00

MAD 4360 ED-TL&L (3,2)
Mathematics Instructional Analysis: PR: EDG 4410 and MAD 4634. CR: MAE 3940. Study of course objectives, classroom norms, school curriculum and survey of methods and materials which have a special application for teaching mathematics. Fall.

MAE 4634 ED-TL&L (3,2)

MAE 5327 ED-TL&L (3,0)
Teaching Middle School Mathematics: PR: EDG 6415 and TSL 5085 or admission to Initial Teacher Professional Preparation certificate. Required special methods course for mathematics majors. Certification, Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5336 ED-TL&L (3,0)

MAE 5935 COS-MATH (3,0)
Post-Secondary Mathematics: PR: Graduate standing or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 3025 BA-MAN (3,0)
Management of Organizations: PR: ACG 2021 and ECO 2013 or ECO 2023 each with a grade of "C" (2.0) or better, or for non-business students, ECO 2013 or ECO 2023 with a grade of "C" (2.0) or better. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior in organizations, and management. Fall, Spring.

MAN 3025H BA-MAN (3,0)
Honors Management of Organizations: PR: ACG 2021 and ECO 2013 or ECO 2023 each with a grade of "C" (2.0) or better, and consent of Honors. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior in organizations, and control. Applicable to honors students. Spring.

MAN 3301 BA-MAN (3,0)
Strategic Human Resource Management: PR: Admission to the Management major. Provides students with a complete, comprehensive review of the strategic importance of the essential human resource management concepts and techniques for any student majoring in Management. Fall, Spring.
UCF Courses and Descriptions

MAN 3302 BA-MAN 3(3,0) Essentials of Human Resource Management for Integrated Business: PR: Admission to the Integrated Business major. Prepares managers as contributors to the development and implementation of HR policies and practices. Legal issues and relationships with other business functions are emphasized. Fall,Spring.


MAN 3520 BA-MAN 3(3,0) Quality Management: PR: MAN 3031, MAN 3025. Management Majors and Minors and students whose major requires it. Principles and theories of quality and operations management in manufacturing and service organizations.

MAN 4029 BA-MAN 3(3,0) Service Organization Management: PR: Management major, MAN 3025 and MAN 3520. Study of the special characteristics, problems, and methods for managing service-oriented organizations. Occasional.

MAN 4046 BA-MAN 3(3,0) Teamwork, Collaboration, and Group Dynamics: PR: Admission to the Management major. Examination of concepts related to teams and group dynamics, and development of an understanding of how to become an effective team member, leader, and designer. Fall,Spring.

MAN 4101 BA-MAN 3(3,0) Human Relations in Management: PR: Management major, MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall,Spring.

MAN 4143 BA-MAN 3(3,0) Leadership Development: PR: Admission to the Management major. Provides a foundation on the leadership development process and the impact leaders can have on individuals, groups, and organizations. Fall,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(3,0) Organizations: Theory and Behavior: PR: Management major, MAN 3025. A course providing a micro/macro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. Fall,Spring.

MAN 4320 BA-MAN 3(3,0) Human Resources Recruitment and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations Fall,Spring.

MAN 4329 BA-MAN 3(3,0) Business Analytics in Human Resource Management: PR: Admission to the Management major. Preparation methodologies, infrastructures, and current practices used to transform data from many sources into useful information for human resource management and decisions. Fall,Spring.

MAN 4330 BA-MAN 3(3,0) Compensation Administration: PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations Fall,Odd Spring.

MAN 4350 BA-MAN 3(3,0) Performance Management: PR: Admission to the Management major. The management of worker performance through the training and development activities delivered by organizational specialists. Theory, issues, practices and problems are discussed. Fall,Spring.

MAN 4441 BA-MAN 3(3,0) Conflict Resolution and Negotiation: PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. Occasional.

MAN 4532 BA-MAN 3(3,0) Introduction to Collaborative Design: PR: Senior standing and C.I. Business students will team 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(3,0) Project Management: PR: Admission to the Integrated Business. Foundational concepts of project management in corporate settings, with a focus on large and complex projects. Covers the project environment, the project manager's role, and project phases from initiation to closing. Fall,Spring.

MAN 4600 BA-MAN 3(3,0) International Management: PR: Approved major or minor, MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall,Spring.

MAN 4701 BA-MAN 3(3,0) Business Ethics and Society: PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today's complex political, social, economic and technological environment. Fall,Spring.

MAN 4720 BA-MAN 3(3,0) Strategic Management: PR: Admitted to Business major, senior standing, and completion of MAN 3025, MAN 3023, FIN 4033, ECON 3173, and ACC 3175. 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(3,0) Management Internship: PR: Management major, application approval, consent of department chair. Provides student with supervised, management-related work experience in a sponsoring organization. See department for information; application required. May be repeated for credit. Occasional.

MAN 5037 BA-MAN 1.5(1.5) Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall,Spring.


MAN 5867 BA-MAN 3(3,0) Small Business Consulting: PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a local small business. Occasional.

MAP 2302 COS-MATH 3(3,0) 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(3,0) 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(3,0) Honors Systems Modeling and Simulation: PR: Permission of Honors and MAC 2312. Population growth dynamics; spread of an epidemic; ecological predator-prey relations; and its use in the control of diabetes; economic systems. Occasional.

MAP 3923 COS-MATH 1(1.0) Frontiers in Mathematical Research: Colloquia and Public Talks: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. Fall,Spring.

MAP 4103 COS-MATH 3(3,0) 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(3,0) 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(3,0) Vector and Tensor Analysis: PR: MAS 3105 or MAS 3106, and MAP 4113, or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.

MAP 4171 COS-MATH 3(3,0) Optimization: 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(3,0) Ordinary Differential Equations II: PR: MAP 2302 and MAS 3105 or MAS 3106. An introduction to partial differential equations, stability theory and phase plane analysis, an introduction to limit cycles, bifurcations and chaos, power series solutions and introduction to an equation. Fall.

MAP 4341 COS-MATH 3(3,0) 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(3,0) Partial Differential Equations I: 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(3,0) 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 PDE. Covers Euler's method, trapezoidal rule, multistep methods, Runge-Kutta, error control, finite differences, implicit and explicit schemes, iterative methods, and stability. Fall.


MAP 4484 COS-MATH 3(3,0) 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, exocytic systems. Occasional.

MAP 4494 COS-MATH 3(3,0) Mathematical Biology II: PR: MAP 4484, Mathematics of permanence, persistence and stability of ecological communities; competition in special habitats; epidemiology, immune system, cell motility, cancer modeling, physiological modeling; genetics; protein folding. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 4640</td>
<td>Financial Mathematics</td>
<td>3(3,0)</td>
<td>Fall, Spring. Ordinary differential equations, autonomous systems, phase uniqueness of solutions of differential equations, systems of ordinary differential equations, autonomous systems, phase plane analysis, stability, bifurcations.</td>
</tr>
<tr>
<td>MAP 4934</td>
<td>Topics in Applied Mathematics</td>
<td>3(3,0)</td>
<td>Fall, Spring. Variables relevant to international marketing. Practical applications of modern technology, including digital media, to marketing decision making.</td>
</tr>
<tr>
<td>MAP 5117</td>
<td>Mathematical Modeling</td>
<td>3(3,0)</td>
<td>Fall, Spring. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Even Fall.</td>
</tr>
<tr>
<td>MAP 5336</td>
<td>Ordinary Differential Equations and Applications</td>
<td>3(3,0)</td>
<td>Fall, Spring. Ordinary differential equations. Systems of ordinary differential equations, autonomous systems, phase plane analysis, stability, bifurcations.</td>
</tr>
<tr>
<td>MAP 5426</td>
<td>Special Functions</td>
<td>3(3,0)</td>
<td>Fall, Spring. Special functions. PR: MAP 2302, and grade point average of C (2.0) or better. Study of special functions, including Bessel functions.</td>
</tr>
<tr>
<td>MAP 5455</td>
<td>Advanced Mathematics for Engineers</td>
<td>3(3,0)</td>
<td>Fall, Spring. Special functions. PR: MAP 2302, and grade point average of C (2.0) or better. Study of special functions, including Bessel functions.</td>
</tr>
<tr>
<td>MAP 5514</td>
<td>Linear and Nonlinear Waves I</td>
<td>3(3,0)</td>
<td>Fall, Spring. Linear and nonlinear waves. PR: MAP 2302, and grade point average of C (2.0) or better. Study of linear and nonlinear waves.</td>
</tr>
<tr>
<td>MAP 5931</td>
<td>Research Seminar</td>
<td>1(1,0)</td>
<td>Occasional. Research Seminar. PR: Graduate status, or consent of the Honors College. Study of research projects.</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>3(3,0)</td>
<td>Fall, Spring. Marketing. PR: ACG 2021 and ECO 3003 or ECO 2023 each with a grade of &quot;C&quot; (2.0) or better. Study of marketing decision making.</td>
</tr>
<tr>
<td>MAR 3023H</td>
<td>Honors Marketing</td>
<td>3(3,0)</td>
<td>Fall, Spring. Honors Marketing. PR: ACG 2021 and ECO 3003 or ECO 2023 each with a grade of &quot;C&quot; (2.0) or better, and consent of the Honors College. Study of marketing decision making.</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Supply Chain and Operations Management</td>
<td>3(3,0)</td>
<td>Fall, Spring. Supply Chain and Operations Management. PR: Completion of each course in the Business common program prerequisites with a &quot;C&quot; (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.</td>
</tr>
<tr>
<td>MAR 3203H</td>
<td>Honors Supply Chain and Operations Management</td>
<td>3(3,0)</td>
<td>Fall, Spring. Honors Supply Chain and Operations Management. PR: Completion of each course in the Business common program prerequisites with a &quot;C&quot; (2.0) or better, and consent of the Honors College. Study of the planning and management of all activities involved in processes, assets, and flows of materials and information to meet customers' needs.</td>
</tr>
<tr>
<td>MAR 3323</td>
<td>Integrated Marketing Communication</td>
<td>3(3,0)</td>
<td>Fall, Spring. Integrated Marketing Communication. PR: Marketing Minor and MAR 3023 with a &quot;B&quot; (3.0) or better. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communications programs. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3(3,0)</td>
<td>Fall, Spring. Professional Selling. PR: Marketing major or Marketing minor, and MAR 3023 with a grade of &quot;B&quot; (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.</td>
</tr>
<tr>
<td>MAR 3391H</td>
<td>Honors Professional Selling</td>
<td>3(3,0)</td>
<td>Fall, Spring. Honors Professional Selling. PR: Marketing major or Marketing minor, and MAR 3023 with a grade of &quot;B&quot; (3.0) or better, and consent of the Honors College. The communication processes that form the basis of professional selling to businesses and to individuals. Focus is on applied exercises and role-play situations. Occasional.</td>
</tr>
<tr>
<td>MAR 3403</td>
<td>Sales Force Management</td>
<td>3(3,0)</td>
<td>Fall, Spring. Sales Force Management. PR: MAR 3023 with a &quot;B&quot; (3.0) or better and appropriate major or minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. Occasional.</td>
</tr>
<tr>
<td>MAR 3503</td>
<td>Consumer Behavior</td>
<td>3(3,0)</td>
<td>Fall, Spring. Consumer Behavior. PR: Admission to the Marketing major. Individuals, groups, and organizations and the process utilized to select, secure, use, and dispose of products, services, or experiences to satisfy consumer needs and wants. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 3611</td>
<td>Marketing Analysis and Research Methods</td>
<td>3(3,0)</td>
<td>Fall, Spring. Marketing Analysis and Research Methods. PR: Marketing minor or Professional Selling minor, and MAR 3023 with a &quot;B&quot; (3.0) or better. Study of the analytical tools and research methods used by marketers to make more effective decisions. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 3613</td>
<td>Marketing Research</td>
<td>3(3,0)</td>
<td>Fall, Spring. Marketing Research. PR: MAR 3615 with a grade of &quot;C&quot; (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.</td>
</tr>
<tr>
<td>MAR 3615</td>
<td>Marketing Analysis</td>
<td>3(3,0)</td>
<td>Fall, Spring. Marketing Analysis. PR: Admission to the Marketing major. Study of analytic methods, tools, processes, and technologies that enable marketers to evaluate the success of marketing activities and initiatives. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 3641</td>
<td>Marketing Intelligence</td>
<td>3(3,0)</td>
<td>Fall, Spring. Marketing Intelligence. PR: Marketing minor and MAR 3023 with a &quot;B&quot; (3.0) or better. Contemporary sources and applications of information concerning external forces impacting marketing decision making. Occasional.</td>
</tr>
<tr>
<td>MAR 3721</td>
<td>Digital Media Marketing</td>
<td>3(3,0)</td>
<td>Fall, Spring. Digital Media Marketing. PR: Admission to the marketing major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 3765</td>
<td>Entrepreneurial Marketing</td>
<td>3(3,0)</td>
<td>Fall, Spring. Entrepreneurial Marketing. PR: Marketing minor and MAR 3023 with a &quot;B&quot; (3.0) or better, or admission to the Entrepreneurship certificate or the Entrepreneurship minor or the Technological Entrepreneurship minor. Explores the role of marketing and entrepreneurial affect and are affected by one another. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 4156</td>
<td>International Marketing</td>
<td>3(3,0)</td>
<td>Fall, Spring. International Marketing. PR: Marketing minor and MAR 3023 with a &quot;B&quot; (3.0) or better. Investigates strategy, policy and the variables relevant to international marketing decisions. Occasional.</td>
</tr>
<tr>
<td>MAR 4231</td>
<td>Retailing Management</td>
<td>3(3,0)</td>
<td>Fall, Spring. Retailing Management. PR: Marketing minor and MAR 3023 with a &quot;B&quot; (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.</td>
</tr>
<tr>
<td>MAR 4413C</td>
<td>Strategic Issues in Sales</td>
<td>2(3,2)</td>
<td>Fall, Spring. Strategic Issues in Sales. PR: MAP 4415C or ECO 2023 each with a grade of &quot;C&quot; (2.0) or better. Advanced study of selected contemporary strategic issues in selling and sales management. Occasional.</td>
</tr>
<tr>
<td>MAR 4415C</td>
<td>Advanced Professional Selling</td>
<td>2(3,2)</td>
<td>Fall, Spring. 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.</td>
</tr>
<tr>
<td>MAR 4418</td>
<td>Strategic Issues in Sales</td>
<td>3(3,0)</td>
<td>Fall, Spring. Strategic Issues in Sales. PR: MAP 4418 with a &quot;B&quot; (3.0) or better. Marketing as it applies to the sport and leisure industry. Occasional.</td>
</tr>
<tr>
<td>MAR 4712</td>
<td>Healthcare Marketing</td>
<td>3(3,0)</td>
<td>Fall, Spring. Healthcare Marketing. PR: Marketing minor and MAR 3023 with a &quot;B&quot; (3.0) or better. Marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.</td>
</tr>
<tr>
<td>MAR 4715</td>
<td>Marketing Strategy</td>
<td>3(3,0)</td>
<td>Fall, Spring. Marketing Strategy. PR: MAR 3023 with a &quot;B&quot; (3.0) or better. Marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.</td>
</tr>
<tr>
<td>MAR 4803</td>
<td>Marketing Management</td>
<td>3(3,0)</td>
<td>Fall, Spring. Marketing Management. PR: Marketing Minor and MAR 3611 with a grade of &quot;C&quot; (2.0) or better. Planning, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 4804</td>
<td>Marketing Strategy</td>
<td>3(3,0)</td>
<td>Fall, Spring. Marketing Strategy. PR: MAR 3613 and MAR 3617 with a &quot;B&quot; (3.0) or better. Marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.</td>
</tr>
<tr>
<td>MAR 4832</td>
<td>Product Management</td>
<td>3(3,0)</td>
<td>Fall, Spring. Product Management. PR: MAR 3613 and MAR 3617 with a &quot;B&quot; (3.0) or better. Study of the theory and practice of managing innovation and product design, testing, branding, and introduction of new products. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 4840</td>
<td>Fundamentals of Services Marketing</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>MAR 4841</td>
<td>Services Marketing</td>
<td>3(3,0)</td>
<td>Fall, Spring. Services Marketing. PR: Admission to the service management major. Examination of marketing in services industries, with particular emphasis on marketing in the hospitality, tourism, and leisure industries. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 4934</td>
<td>Contemporary Marketing Topics in Florida</td>
<td>3(3,0)</td>
<td>Fall, Spring. Contemporary Marketing Topics in Florida. PR: Marketing minor and MAR 3023 with a &quot;B&quot; (3.0) or better. Advanced study of contemporary marketing topics relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, tourism, hospitality, sports, gaming, etc. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.</td>
</tr>
</tbody>
</table>
MCR 3010 COS-MATH 3.0
Honors Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrices, determinants, vector spaces in $\mathbb{R}^n$, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Canonical Form, matrix functions, quadratic forms. Fall, Spring.

MCR 3015 COS-MATH 3.0
Introduction to Number Theory: PR: MAC 2312 or C.I. Advanced topics, including ring theory and field theory; introduction to Galois theory. Spring.

MCR 3020 COS-MATH 3.0
Abstract Algebra I: PR: MHF 3302 and MAC 3106, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, inner products, the spectral theorem, Jordan Canonical Form. Fall, Spring.

MCR 3021 COS-MATH 3.0
Abstract Algebra II: PR: MCR 3010 or C.I. Advanced topics, including ring theory and field theory; introduction to Galois theory. Spring.

MCR 3023 COS-MATH 3.0
Topics in Algebra: PR: MAC 3106 and MCR 4013, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MCR 3145 COS-MATH 3.0
Advanced Linear Algebra and Matrix Theory: PR: MCR 3010 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.

MCR 3151 COS-MATH 3.0
Algebra I: PR: MCR 4010 or graduate standing or C.I. Sets and categories, groups and groupoids, group actions, the class equation, Sylow theorems, Jordan-Holder Theorem, Rings, Modules, Complexes, Factorization, and Irreducibility. Occasional.

MAT 1033 COS-MATH 3.0
Intermediate Algebra: Reinforcement and development of algebra skills. Operations with polynomial, rational expressions; radicals; rational exponents; linear and quadratic equations; linear inequalities, and applications. This course is a "bridge course" which may be applied towards a degree as elective credit. This course will not satisfy either the GEP or Gordon Rule. Occasional.

MAT 3937 COS-MATH 1.0
Techniques of Problem Solving: PR: MAC 2311C and CR: MAC 2312; or C.I. Methods for solving problems in a wide variety of mathematical fields, with an emphasis on proper mathematical technique and writing of solutions. Graded SU. May be repeated for credit. Fall.

MAT 5712 COS-MATH 3.0
Scientific Computing: PR: MAC 2313, MAP 2302, and either MAS 3105 or MAS 3106, or C.I. Matlab fundamentals, computer arithmetic, nonlinear equations, polynomial interpolation, divided; differences, splines, curve fitting, least-squares method, numerical differentiation and integration. Even Fall.
MCB 4940 • COM-BSBS 3(2.0) • 0-3(0.3-4)
Methodology in Biomedical Sciences
Instructor: PR: MCB 3233L or PCB 3233L, PCB 3703C or ZOO 3733C or MCB 3202C, and C.I. Reinforces lab techniques; students will also gain experience in teaching by assisting instructors of different biomedical science labs. Fall, Spring.

MCB 5205 • COM-BSBS 3(3.0) • 3(3,0)
Infectious Disease Procedures Lab: PR: MCB 3202C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.

MCB 5208 • COM-BSBS 3(3.0) • 3(3,0)
Cellular Microbiology: Host-Pathogen Interactions: PR: Graduate standing, PCB 3532. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MCB 5209 • COM-BSBS 3(3.0) • 3(3,0)
Microbial Stress Response: PR: Graduate standing or C.I. Examination of the molecular genetic mechanisms, bacterial and fungal pathogens used to adapt to changes in their environment. Fall.

MCB 5225 • COM-BSBS 3(3.0) • 3(3,0)

MCB 5314 • COM-BSBS 1(1.0) • 1(0,3)
Industrial Perspectives Seminar: PR: Biotechnology MS students. Learning concepts of basic research and drug development in the pharmaceutical industry and technical presentation. May be used in the degree program a maximum of 2 times. Fall.

MCB 5415 • COM-BSBS 3(3.0) • 3(3,0)
Cellular Metabolism: PR: Graduate standing or C.I. Basic concepts of the mechanisms that define the functioning and regulation of prokaryotic and eukaryotic cell metabolism. Fall.

MCB 5505 • COM-BSBS 3(3.0) • 3(3,0)
Molecular Virology: PR: Graduate standing or C.I. An in-depth overview of the fundamental aspects and current concerns in modern virology including HIV, tumor viruses, Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

MCB 5654 • COM-BSBS 3(3.0) • 3(3,0)
Applied Microbiology: PR: MCB 3020C or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and applied genetics. Occasional.

MCB 5705 • COM-BSBS 4(2.4) • 4(0,8)
Methods in Molecular Biology: PR: Graduate standing or C.I. A laboratory course that will train graduate students in fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional. M&S fee $70.00.

MCB 5932 • COM-BSBS VAR(VAR,VAR) • 3(3,0)
Current Topics in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

MET 2104 • COS-PHYS 3(3.0) • 3(3,0)
The Earth’s Climate: History, physics and dynamics of the Earth’s climate. Odd Spring.

MGF 1106 • COS-MATH 3(3.0) • 3(3,0)
Finite Mathematics: PR: Appropriate score on the UCF Math 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) • 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.

MHF 3302 • COS-MATH 3(3.0) • 3(3,0)

MHF 4404 • COS-MATH 3(3.0) • 3(3,0)

MHF 4934 • COS-MATH 3(3.0) • 3(3,0)
Topics in Foundations and History of Mathematics: PR: MHF 3302 and MAS 3106, or C.I. Advanced, 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 • ED-CFCFS 3(3.0) • 3(3,0)
Introduction to Human Services: An overview of the field of human services including roles, boundaries and ethical issues. The course orientes students to the operation of human service agencies. Fall, Spring.

MHS 2330 • ED-CFCFS 3(3.0) • 3(3,0)
Career Planning: PR: ED-CFCS 2090. Focuses on the interpersonal skills necessary to the practice of the human service industry. Emphasis on motivating and supporting clients who are experiencing challenging situations. Spring.

MHS 2441 • ED-CFCFS 3(3.0) • 3(3,0)
Couples, Families and Intimate Relationships: Dynamics of families, couples, intimate relationships, dating, courtship and choices of establishing stable and satisfying couples and families, impact of divorce, premarital and couples education. Fall, Spring.

MHS 3052 • ED-CFCFS 3(3.0) • 3(3,0)
Advanced Clinical Chemistry II: PR: CHM 2210, PCB 3703C or C.I. Instruction and practice of clinical chemistry laboratory. Fall.

MHS 3053 • ED-CFCFS 3(3.0) • 3(3,0)
Introduction to Clinical Research: PR: Admission to the MLS program, MLS 4625, MLS 4630. Instruction and practice of clinical chemistry laboratory procedures at an off-campus affiliated hospital/critical site. Fall.

MHS 3057 • ED-CFCFS 3(3.0) • 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, renal function, gastic function, electrolytes, and blood gases. Fall.

MHS 4625L • COM-BSBS 1(0.3) • 1(0,3)
Advanced Clinical Chemistry Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall, M&S fee $70.00.

MHS 5431L • COM-BSBS 3(3.0) • 3(3,0)

MHS 5444C • COM-BSBS 1(0.6) • 1(0,3)
Diagnostic Microbiology: PR: Admission to the MLS program, MHS 4625, MHS 4630. Introduction and practice of clinical microbiology laboratory procedures at an off-campus affiliated hospital/critical site. Fall.

MHS 5623L • COM-BSBS 4(0.8) • 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 5668L • COM-BSBS 4(0.8) • 4(0,8)
Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MHS 4625, MHS 4630. Instruction and practice of clinical microbiology laboratory procedures at an off-campus affiliated hospital/critical site. Fall.
MUE 4332 CAH-MUSIC 3(3,0)
Secondary Instrumental Methods I: PR: Admission to MUE Program. Emphasis on wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. Fall.

MUE 4335 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 4337 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 high school students in a large classroom setting. Odd Spring.

MUE 4354 CAH-MUSIC 3(3,0)

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)

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.

MUE 4943 CAH-MUSIC 12(12,0)

MUE 5348C CAH-MUSIC 4(4,0)

MUE 5921 CAH-MUSIC 2(2,0)
Music Education Workshop: PR: Graduate standing in Music Education or C.I. 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: MUL 1122 or C.I. Fundamental techniques and practice in conducting. Fall.

MUG 3202 CAH-MUSIC VAR(VAR,VAR)
Choral Conducting and Materials: PR: MUG 3104. Fundamental principles of choral conducting and rehearsal techniques including an examination of materials. Spring.

MUG 3302 CAH-MUSIC VAR(VAR,VAR)
Instrumental Conducting and Materials: PR: MUG 3104. Fundamental 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. Spring.

MUH 2017 CAH-MUSIC 3(3,0)

MUH 2017H CAH-MUSIC 3(3,0)
Honors Survey of Rock Music: PR: Consent of Honor, Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors content 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 2021 CAH-MUSIC 3(3,0)

MUH 2071C CAH-MUSIC 1(0,1)
World Music Survey and Performance Laboratory: PR: MUT 1122 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian. Occasional.

MUH 3211 CAH-MUSIC 3(3,0)
Music History and Literature I: PR: MUH 3633 and MUT 1122 with a 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 3633 CAH-MUSIC 3(3,0)
Music in the United States: PR: MUL 2720 and MUT 1122 with grade of "C" (2.0) or better. History 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 4218 CAH-MUSIC 1(1,0)

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. 1450-1600. 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 Western Europe during 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.

MUH 4361 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: MUH 3211 and MUH 3212 with grade of "C" (2.0) or better. Examination of Western European and American art music from the nineteenth century. Odd Fall.

MUH 4371 CAH-MUSIC 3(3,0)
Music Since 1900: PR: MUH 3211 and MUH 3212 with grade of "C" (2.0) or better. Western art music since 1900. Odd Spring.

MUH 4814 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: MUL 3171 and MUL 2016 with grade of "C" (2.0) or better. Historical style periods and master artists in jazz music. Odd Spring.

MUH 5326 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: Graduate standing in music or music education or C.I. Music and culture of Western Europe in the era c. 450-1600. Occasional.

MUH 5345 CAH-MUSIC 3(3,0)
Music of the Baroque: PR: Graduate standing in music or music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. Even Spring.

MUH 5356 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. Occasional.
MUS 5365 CAH-MUSIC 3(3,0) Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD-ROM, and the high-tech music classroom. Occasional.

MUS 5588 CAH-MUSIC 2(1,0) Music Education: PR: Graduate standing. May be repeated for credit. Fall, Spring.

MUS 5677 CAH-MUSIC 3(3,0) Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. 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 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. Odd Spring.

MUT 2126 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. Study of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUT 3923 CAH-MUSIC 3(3,0) Jazz Workshop: PR: MUT 3171 or C.I. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUT 4311 CAH-MUSIC 3(3,0) Orchestration: PR: MUS 3260C and MUT 2126 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: 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) Music Education: 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) Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC 2(1,1) French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC 2(1,1) Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.
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MVS 1214 CAH-MUSIC 1(0,1)

MVS 1216 CAH-MUSIC 1(0,1)

MVS 1411 CAH-MUSIC 2(1,1)
Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVS 1412 CAH-MUSIC 2(1,1)
Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVS 1413 CAH-MUSIC 2(1,1)
Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVS 1414 CAH-MUSIC 2(1,1)
Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVS 1415 CAH-MUSIC 2(1,1)
Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVS 1416 CAH-MUSIC 2(1,1)
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVS 2421 CAH-MUSIC 2(1,1)
Violin II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall,Spring.

MVS 2422 CAH-MUSIC 2(1,1)
Viola II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall,Spring.

MVS 2423 CAH-MUSIC 2(1,1)
Cello II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall,Spring.

MVS 2424 CAH-MUSIC 2(1,1)
Bass II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall,Spring.

MVS 2425 CAH-MUSIC 2(1,1)
Harp II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall,Spring.

MVS 2426 CAH-MUSIC 2(1,1)
Guitar II: PR: MVS 1416 and faculty jury. Continuation of MVS 1416. May be repeated for credit. Fall,Spring.

MVS 3421 CAH-MUSIC 2(3,1,1)
Violin III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

MVS 3422 CAH-MUSIC 2(3,1,1)
Violin IV: PR: MVS 2423 and 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 4341 CAH-MUSIC 2(3,1,1)
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 4342 CAH-MUSIC 2(3,1,1)
Cello IV: PR: MVS 2424 and 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 4441 CAH-MUSIC 2(3,1,1)
Guitar III: PR: MVS 2425 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 4442 CAH-MUSIC 2(3,1,1)
Guitar IV: PR: MVS 2426 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 4443 CAH-MUSIC 2(3,1,1)
Cello IV: PR: MVS 3421 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 2(3,1,1)
Bass IV: PR: MVS 3422 and competence determined by faculty jury. Intensive advanced performance study of the bass, for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

MVS 4445 CAH-MUSIC 2(3,1,1)
Harp IV: PR: MVS 3423 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(1,0)
Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall,Spring.

MVS 5452 CAH-MUSIC 2(1,0)
Violin VI: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall,Spring.

MVS 5453 CAH-MUSIC 2(1,0)
Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall,Spring.

MVS 5454 CAH-MUSIC 2(1,0)
Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall,Spring.

MVS 5455 CAH-MUSIC 2(1,0)
Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall,Spring.

MVS 5456 CAH-MUSIC 2(1,0)
Guitar V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall,Spring.
Voices and Instruments of the Orchestra

**Clarinet I:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Clarinet V:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Secondary Saxophone:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Saxophone II:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Saxophone III:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Saxophone IV:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Saxophone V:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Flute I:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Flute II:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Flute III:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Flute IV:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Clarinet II:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Clarinet III:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Clarinet IV:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Clarinet V:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Oboe I:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Oboe II:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Oboe III:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Oboe IV:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Oboe V:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Bassoon I:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Bassoon II:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Bassoon III:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Bassoon IV:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Bassoon V:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Saxophone:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Flute:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Oboe:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Bassoon:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Clarinet:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Saxophone:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Saxophone:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Clarinet:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Saxophone:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Saxophone:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Clarinet:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Saxophone:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Saxophone:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Clarinet:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Saxophone:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Saxophone:**
- Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.
NUR 5690 CON-NURS 3(3,0) Interdisciplinary Care at End-of-Life: PR: Graduate standing. Emphasis 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.

NUR 5720 CON-NURS 3(3,0) Organizational Politics: 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.

NUR 5800 CON-NURS 3(3,0) Theory for Advanced Practice Nursing: PR: Baccalaureate degree in Nursing or C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. May be used in the degree program a maximum of 2 times. Fall, Spring.

NUR 5871 CON-NURS 3(3,0) Health Care Informatics: PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management and communication strategies and decision-making models. May be used in the degree program a maximum of 2 times. Fall.

NUR 5884 CON-NURS 3(3,0) Legal and Professional Behavior in Advanced Practice: PR: Graduate standing and admission to the M.S.N. 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.

NUR 5894C CON-NURS 3(2,1) International Perspectives of Global Health: PR: Graduate standing or C.I. An analysis of global health in comparison with that of USA and other nation’s health care systems. Occasional.

NUR 1800 CON-NURS 3(3,0) Nursing as a Profession: Professional nursing roles in contemporary society covering a range of topics using discourse methodology that forms a foundation for nursing and health care. Fall, 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 & NUR 3445L, 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 contributing to 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 4405 CON-NURS 3(3,0) Emergency Department Nursing: PR: Completion of both 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 scopes of practice, laws, 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: Perspectives for Nurses: PR: Admission to a BSN program or C.I. Family and interpersonal violence education to include effective nursing responses including: history, categories, cycles, laws, intervention, nursing resources, protocols and resources. Occasional.

NUR 4685 CON-NURS 3(3,0) Death & Dying: Nursing 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 and successful completion of all courses in the first semester of the nursing curriculum and concurrent enrollment in NUR 3225L; NUR 3225; NUR 3445L. Concepts of psychology and sociology of crime. selective experiences in all areas of forensic nursing. Graded S/U. Fall, Spring. M&S fee $150.00

NUR 3028 CON-NURS 3(3,0) Essentials of Nursing Practice: PR: Admission to BSN program, NUR 3065L and NUR 3069L. 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(0,2) 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 3065L 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 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 systematic 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: Clinical Practice: PR: Admission to BSN program, successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 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. Graded S/U. Fall, Spring. M&S fee $40.00

NUR 3225L CON-NURS 2(0,6) Nursing Care of the Adult I: Clinical Practice Lab: PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3445; NUR 3445L. Selected experiences in 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(4,0) Nursing Care of Families: PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 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 3445. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded S/U. Fall. M&S fee $20.00.

NUR 3816 CON-NURS 2(2,0) Health Promotion Across the Lifespan: PR: Admission to BSN program and NUR 3161L. The concepts of health promotion and prevention for individuals and families living in the community across the lifespan. Fall, Spring.

NUR 3816H CON-NURS 1(1,0) Health Promotion Across the Lifespan Clinical: PR: Admission to BSN program and CR: NUR 3816. Clinical concepts of community health nursing practice in the 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) Community Health Nursing Clinical: 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. Fall, Spring.


NUR 3755 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, symptoms 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 Socialization 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) Professional Nurse 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.
UCF Courses and Descriptions

NUR 3826 CON-NURS 3(3,0) Bioethics in Nursing: PR: PSY 2012, SYG 2000, or PHI 2010, or C.I. An examination of human values and bioethical questions arising in health care as they relate to nursing. Occasional.


NUR 3936 CON-NURS 3(2,2) International Perspectives of Nursing and Health Care: PR: Permission of INR program. 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. Explores the 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 Interventions in 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 genomics in nursing practice. Clinical practice. Occasional.

NUR 4227 CON-NURS 4(4,0) Nursing Care of the Adult II: PR: Admission to the BSN program, successful completion of the first two 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 4227L CON-NURS 3(0,3) Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program; successful completion of the first three semesters in the nursing curriculum. CR: NUR 4227, or C.I. Clinical practice in acute and critical care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Fall, Spring.

NUR 4257 CON-NURS 3(3,0) Introduction to Critical Care Nursing: PR: Admission to the BSN program; successful completion of NUR 4227 and NUR 4227L or C.I. Introduction to critical care nursing. Concepts of comprehensive nursing care of individuals and families in critical care settings. Fall, Spring.

NUR 4266 CON-NURS 3(3,0) Gerontology 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 4340 CON-NURS 3(3,0) 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(3,0) Perinatal Loss and Grief: Nursing Interventions: PR: Admission to BSN Program or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.


NUR 4535 CON-NURS 3(3,0) 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 4604L CON-NURS 4(0,12) Practicum in Community and Public Health Nursing for RNs: PR: Admission to BSN program. Synthesizes knowledge of 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(3,0) Public and Community Health Nursing: PR: Admission to the BSN program. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4657L CON-NURS 3(0,3) Issues in Rural Health Care: PR: Admission to BSN program or C.I. The rural environment and approach to health care services and programs for rural populations. Occasional.

NUR 4675 CON-NURS 3(3,0) Nursing Management and Role Transition: PR: Admission to BSN program or C.I. Preparation for the baccalaureate graduate entering professional nursing practice. Concepts related to entering an entry level role and role transition. Fall, Spring.

NUR 4676L CON-NURS 3(0,3) Rehabilitation Nursing: Principles and Practice: PR: Admission to BSN program or C.I. Rehabilitation concepts related to applying concepts of healthcare systems to patients. Fall, Spring.

NUR 4685 CON-NURS 3(3,0) Nursing Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

NUR 4692 CON-NURS 3(3,0) Accelerated Transitioning into Professional Practice as a Leader: PR: Admission to BSN program or C.I. Study of leadership and management principles to the beginning role of the professional nurse. Occasional.

NUR 4837 CON-NURS 3(3,0) Health Care Issues, Policy, and Economics: PR: 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 4837H CON-NURS 3(3,0) 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(3,0) Honors Directed Research/Research: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded S/U or Letter grade. Occasional.

NUR 4942L CON-NURS 3(0,3) Nursing Practicum for International Students: PR: C.I. An 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 on plan of study; or C.I. Designed to enhance student’s knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. Spring.

NUR 4971H CON-NURS 1-3(1-3,0) Honors Thesis: Prerequisite: 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 CON-BIO 3(3,0) Oceanography: PR: CHM 2245C and CHM 2246, and a “C” (2.0) or better in BSC 2010C. Biological, physical and chemical oceanography. Occasional.


OSE 3490 OPT-OPT 3(3,0) Nanophotonics: PR: PHY 2049C or C.I. Optical/photonic processes on nano scale and interactions with elements of physics & engineering. Occasional.


OSE 4410 OPT-OPT 3(3,0) Oceanic Optics Laboratory: CR: OSE 4410. Experiments in the basics of semiconductor optoelectronic devices including photodiodes, solar cells, light-emitting diodes, laser diodes, and CCDs. Applications include photovoltaics, displays, imaging. Spring.

OSE 4410H OPT-OPT 10(0,3) Oceanic Optics Laboratory: CR: OSE 4410. Experiments in the basics of semiconductor optoelectronic devices including photodiodes, light-emitting diodes, laser diodes and CCDs. Applications include solar cells, displays, photodetection, and optical communications. Spring. M&S fee $18.00
OSE 4470 Fiber-Optic Communications: PR: C (2.0) or better in EEL 3123C and PR or CR OSE 3052. Introduction to the principles and design of fiber-optic communication systems including the integrated-optic and optoelectronic devices used in transmitters and receivers. Fall.

OSE 4470L Fiber-Optic Communications Laboratory: CR: OSE 4470. Laboratory experiments covering the optical fiber as a communication channel, couplers, transmitters and receivers using optoelectronic devices, multiplexing, and overall systems performance. Fall. M & S fee $15.00


OSE 4721 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 Imaging and Display: PR: EEL 3123C; OSE 3052. Mathematical and physical models of two- and three-dimensional imaging systems including gazing, scanning, interferometry, tomographic, and hyperspectral systems. Applications to remote sensing, biology, and medicine. Fall.

OSE 4830L Imaging and Display Laboratory: CR: OSE 4830. Laboratory experiments introducing imaging systems. 2D gazing and scanning systems. Interferometry metrology. Optical tomography. Tomography and spectral imaging. Display systems. Fall. M & S fee $14.00

OSE 4930 Frontiers of Optics and Photonics: PR: OSE 3052 or PHY 4424 or EEL 4440. Senior Standing. Introduction to recent advances in optics & photonics, to ethical issues, and to effective communication appropriate to the field of optics & photonics. Fall.

OSE 4951 Senior Design I: PR: OSE 3053 and OSE 4520; CR: OSE 4410 and OSE 4470 and C.I. Development of the technical, communication, and team skills for successful design of optical and photonic systems. Preparation of project proposals for Senior Design II. Fall.

OSE 4952 Senior Design II: PR: OSE 4951. Execution of project developed in OSE 4911, including complete project design review, preparation, construction, testing, cost, functionality, demonstration, presentation, and reporting. Emphasis on team effort. Spring.

OSE 5041 Introduction to Wave Optics: PR: EEL 4440 or PHY 4424; C.I. Mathematical foundations of light waves as applied to refraction, diffraction, interference, polarization, coherence, and guided waves. Occasional.

OSE 5115 Interference and Diffraction: PR: Admitted to a graduate program in Optics, Physics or Electrical Engineering. The interference of light, optical interferometry, Fraunhofer and Fresnel scalar diffraction, diffraction gratings, temporal coherence, spatial coherence, and partial coherence. Fall. Spring.


OSE 5513 Materials for Optical Systems: PR: Graduate standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems, occasionally.

OSE 5514 Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications and limits of various optoelectronic devices including quantum well semiconductor devices. Fall.

OSE 5563C Thin Film Optics: PR: PHY 4424 or EEL 4446 and 5041 or OSE 5630. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. Occasionally.

PAD 3003 Principles of Arts Administration: American Society: PR: C (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 Ethics and Values in Public Administration: PR: Junior standing and Public Administration major or declared Leadership Studies Certificate or declared Leadership Studies minor, or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value framework to act ethically. Occasionally.

PAD 3330 Urban and Regional Planning: PR: Junior standing and Public Administration major, or Public Administration major or Urban and Regional Planning minor, or Interdisciplinary Studies Environmental Studies Track major, or Environmental Studies minor, or C.I. Planning topics such as land-use, urban planning and comprehensive and urban planning as they relate to the physical aspects of the natural and human environment. Fall. Spring.

PAD 3733 Professional Administrative Writing in the Nonprofit Sector: PR: Junior standing and Public Administration major or Public Administration minor, or C.I. Professional and technical writing for the field of public administration. Fall. Spring.

PAD 3930 Nonprofit Leadership Seminar: PR: Declared Nonprofit Management minor and Junior standing and ENC 1102. Discussion and activity based course exploring nonprofit competencies to prepare students for management and leadership positions in human services. Student Association activities included. May be used in the degree program a maximum of 3 times. Fall. Spring.

PAD 4034 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 or all in 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 interplay between social values, policies and administration. Fall. 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. The study of land use and planning to include zoning variances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. Fall.

PAD 4334 HPA-PUB 3(3,0) Urban Design: 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 design. Spring.

PAD 4351 HPA-PUB 3(3,0) Issues in Environmental Program Management: PR: Junior standing and Public Administration major or Regional Planning minor, or Interdisciplinary Studies Environmental Studies Track major, or Environmental Studies minor, or Energy and Sustainability minor, or C.I. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 4371 HPA-PUB 3(3,0) Community Resiliency & Sustainability: PR: (ENC 1041) Standing or C.I. Issues of community resiliency & sustainability specific to emergency & crisis management. Includes coverage of public policy & management, urban planning & development, and community resiliency. Spring.

PAD 4380 HPA-PUB 3(3,0) Hazard Mitigation and Preparedness: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. Fall.

PAD 4392 HPA-PUB 3(3,0) Emergency Management and Homeland Security: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination and management of these services. Fall.

PAD 4395 HPA-PUB 3(3,0) Disaster Response and Recovery: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Individual, group, organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and complex dynamics of the recovery process are emphasized. Spring.

PAD 4414 HPA-PUB 3(3,0) Human Resource Administration: PR: Either a Public Administration major with a "C" or better in PAD 3033 and PAD 3733 and in all PAD common program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3033 and PAD 3733, or Nonprofit Management minor, or C.I. The history, operating components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. Fall, Spring.

PAD 4446 HPA-PUB 3(3,0) Multiculturalism in Public Administration: PR: CENPAD major or minor, and Junior standing, or C.I. This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. Occasional.

PAD 4712 HPA-PUB 3(3,0) Information Systems for Public Managers and Planners: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Knowledge and skills concerning information technologies important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Spring.

PAD 4720 HPA-PUB 3(3,0) Survey Research in Public Administration: PR: Either a Public Administration major with a "C" (2.0) or better in PAD 3033 and PAD 3733 and in all PAD common program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3033 and PAD 3733, or C.I. Introduction to the concepts, design, methods, and computer applications, and data analysis in applied research in the public sector. Fall, Spring.

PAD 4803 HPA-PUB 3(3,0) Issues in Urban Administration: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, or C.I. Various approaches to studying and explaining the American intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall.

PAD 4822 HPA-PUB 3(3,0) Intergovernmental Administration: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Various approaches to studying and explaining the American intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall, Spring.

PAD 4941 HPA-PUB 3(12,3-12) Public Administration Internship: PR: Junior standing and Public Administration major or C.I. The student students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4948 HPA-PUB 3(0,20) Nonprofit Management Internship: PR: Junior standing; and enrollment in nonprofit minor, and PR or CR: one credit hour of PAD 3930. Supervised internship for students in the Nonprofit Leadership Alliance program. Requires minimum of 300 hours placement in a nonprofit human services organization. May be used in the degree program a maximum of 2 times. Fall, Spring.

PAD 5041 HPA-PUB 3(3,0) Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored. Occasional.

PAD 5145 HPA-PUB 3(3,0) Volunteerism in Nonprofit Management: PR: Either a Public Administration major or C.I. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. Fall.


PAD 5336 HPA-PUB 3(3,0) Introduction to Urban Planning: PR: Admission to Master of Science in Urban and Regional Planning, or Master of Public Administration, or Master of Nonprofit Management, or Certificate in Emergency Management and Homeland Security, or Certificate in Urban and Regional Planning, or C.I. Issues of urbanization, regional development, land use and comprehensive planning, environmental planning, and social planning. Fall.

PAD 5357 HPA-PUB 3(3,0) Urban Design: PR: Admission to Master of Science in Urban and Regional Planning, or Master of Public Administration, or Master of Nonprofit Management, or Certificate in Urban and Regional Planning, or C.I. Planning techniques and methods, planning unit developments, capital improvements planning, and growth management, and planning methods, including needs assessment and graphic design. Fall.

PAD 5338 HPA-PUB 3(3,0) Land Use and Planning Law: PR: Admission to Master of Science in Urban and Regional Planning, or Master of Public Administration, or Master of Nonprofit Management, or Certificate in Emergency Management and Homeland Security, or Certificate in Urban and Regional Planning, or C.I. Research on national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation. Spring.

PAD 5356 HPA-PUB 3(3,0) Managing Community and Economic Development: PR: Admission to Master of Science in Urban and Regional Planning, or Master of Public Administration, or Master of Nonprofit Management, or Certificate in Emergency Management and Homeland Security, or Certificate in Urban and Regional Planning, or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.

PAD 5425 HPA-PUB 3(3,0) Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5427 HPA-PUB 3(3,0) Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiations, and the collective bargaining process. Occasional.

PAD 5807 HPA-PUB 3(3,0) Local Government Operations: Operational policies of local governments and the role of the chief executive officer. Occasional.

PAD 5850 HPA-PUB 3(3,0) Grant and Contract Management: PR: Admission to the Master of Nonprofit Management, or Master of Research Administration, Certificate in Nonprofit Management, Certificate in Emergency Management and Homeland Security, Certificate in Public Administration, or Certificate in Fundraising, or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PAD 5855 HPA-PUB 3(3,0) Introduction to Public Procurement: PR: Admission to the Master of Science in Urban and Regional Planning, or C.I. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. Fall.

PAD 5856 HPA-PUB 3(2,0) Public Affairs Careers: Introduction and examination of public affairs programs and career opportunities that will prepare students for future careers. Fall.


PAD 4754 HPA-PUB 3(3,0) Interdisciplinary Leadership in Public Affairs: PR: Admission to the Master of Science in Urban and Regional Planning, or C.I. Various approaches to studying and explaining the American intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall, Spring.

PAF 2102 HPA-HA 2(0,2) Public Affairs Careers: Introduction and examination of public affairs programs and career opportunities that will prepare students for future careers. Fall.


PAF 4754 HPA-PUB 3(3,0) Interdisciplinary Leadership in Public Affairs: PR: Admission to the Master of Science in Urban and Regional Planning, or C.I. Various approaches to studying and explaining the American intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall, Spring.

PAZ 4234 COS-BIOL 3(3,0) Zoo and Aquarium Management: PR: Either a C (2.0) or better in PCB 3044 and PCB 3063, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PAZ 5235 COS-BIOL 3(3,0) Zoo and Aquarium Biology Management: PR: Admission to the M.S. in Biology, Professor's Certificate in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.
PCB 3023 COS-BSBS 3(3,0)
Molecular Cell Biology: PR: CHM 2210 and a "C" (2.0) or better in both BSC 2010C and PCB 3066, or C.I. Structure and function of eukaryotic cells including bioenergetics, protein structure and function, chromosome structure, DNA repair and recombination, membrane structure and transport, intracellular waste trafficking, cell signaling, apoptosis and cell cycle control and organization and functions of the cytoskeleton and extracellular matrix. Fall, Spring.

PCB 3044 COS-BSBS 3(3,0)
Principles of Ecology: PR: CHM 2045C or PCB 2024, and a "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Elements of ecosystems, biogeochemical cycling, environmental factor interactions, population dynamics, and community development. Fall.

PCB 3044L COS-BSBS 1(0.3)
Principles of Ecology Laboratory: PR: or CR: PCB 3044 or C.I. Field and laboratory investigations of natural systems, with emphasis on current methodology in ecology. Fall.

PCB 3063 COS-BSBS 3(3,0)
Genetics: PR: CHM 2046 and a "C" (2.0) or better in both BSC 2010C and PCB 3063, or C.I. Principles of heredity as applied to prokaryotes and eukaryotes. Fall, Spring.

PCB 3063H COS-BSBS 3(3,0)
Honors Genetics: PR: CHM 2046 and a "C" (2.0) or better in BSC 2010C, or C.I., and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. Occasional.

PCB 3063L COS-BSBS 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-BSBS 3(3,0)
Immunology: PR: BSC 2010C. Basic principles of immunoreactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immune therapy. Fall.

PCB 3233L COM-BSBS 1(0.3)
Immunology Laboratory: CR: PCB 3233. Introduction to laboratory techniques in immunology. Fall, Spring. M&S fee $46.00.

PCB 3334L COS-BSBS 2-5(0.6-15)
Principles of Field Ecology: PR: BSC 2011C, PCB 3044, or C.I. Applied study of biodiversity, conservation through field trips, field research and laboratory. Emphasis and location varies by instructor. May be repeated for credit only when course content is different. Occasional.

PCB 3335 COS-BSBS 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 particular emphasis towards terrestrial systems in tropical rainforests. Occasional.

PCB 3355L COS-BSBS 2(0.2)
Tropical Marine Biology: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Intensive, one week field course at an institute of marine science. Diving or snorkeling will be used extensively to study organisms on pristine coral reefs. Occasional.

PCB 3442 COS-BSBS 3(3,0)
Aquatic Ecology: PR: A minimum grade of "C" (2.0) in both BSC 2010C and BSC 2011C, or C.I. An introduction to aquatic ecology of Florida with emphasis on ponds, lakes, streams, and rivers. Occasional.

PCB 3522 COM-BSBS 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-BSBS 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 3703C COM-BSBS 4(3,3)

PCB 3703C COM-BSBS 3(3,0)
Human Physiology: PR: BSC 2010C, CHM 2012 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. Fall, Spring. M&S fee $70.00.

PCB 4028 COM-BSBS 3(3,0)
Molecular and Cellular Immunology: PR: PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that mediate these processes will be covered. Spring.

PCB 4135 COM-BSBS 3(3,0)

PCB 4174 COM-BSBS 3(3,0)

PCB 4234 COM-BSBS 3(3,0)

PCB 4264 COM-BSBS 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-BSBS 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-BSBS 3(3,0)
Immunobiology: PR: PCB 3523. Investigating innate host defense utilizing an approach that combines online didactic coursework with paper-based analytical studies. Recommended for students interested in research. Fall, Spring.

PCB 4293 COS-BSBS 3(3,0)
Florida Ecology, Natural History and Conservation: PR: PCB 3044 or C.I. General ecology, habitats, vegetation types, wildlife, and conservation issues of Florida. Odd Fall.

PCB 4402 COS-BSBS 3(3,0)
Disease Ecology and eukaryotic pathogen: PR: A grade of "B" (3.0) or better in PCB 3033 and PCB 3044 or C.I. Examination of how hosts, parasites and environment interact to shape organisms, populations and communities. Occasional.

PCB 4406 COS-BSBS 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-BSBS 3(3,0)
Genetics II: PR: A minimum grade of "B" (3.0) in PCB 3033, or C.I. Advanced topics in genetics including genome organization, gene regulation, chromosome mutation, developmental genetics and the effect of environment on phenotype. Even Fall.

PCB 4521 COM-BSBS 3(3,0)
Tissue Engineering: PR: MCB 3020C or CHM 2045C. Tissue engineering with a special emphasis on the current status of the field, on novel methods and on cell-biomaterial interactions. Occasional.
PCB 5265 Advanced Human Physiology: PR: PCB 3522, PCB 3703C, ZOO 3733C. Advanced topics of physiological processes at the cellular, molecular and system levels. Fall.

PCB 4843 Cellular and Molecular Neuroscience: PR: ZOO 3744. An advanced and thorough course providing understanding of the cellular components and molecular signaling pathways involved in the nervous system function. Spring.

PCB 4943 Peer Instruction and Laboratory Occupational Training: PR: BSC 3403C or BSC 4034H. 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 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 mediate these processes will be covered. Spring.

PCB 5045 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 Molecular Immunology: PR: PCB 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 5238 Immunobiology: PR: PCB 3233 , PCB 4280. Advanced topics in immune system dysregulation with special emphasis on innate immunity. Spring.

PCB 5265 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 Signal Transduction Mechanisms: PR: PCB 3522 and PCB 4524. A course emphasizing various signal transduction cascades used in mammalian cells to control growth and differentiation. Discussion of original research papers will occur. Occasional.

PCB 5326C Ecosystems of Florida: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate 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 $15.00.

PCB 5435C Marine Ecology of Florida: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Survey of experimental methods used in the study of marine communities in central and southern Florida, combining field manipulation and readings from primary literature. Odd Spring.

PCB 5447 Disease Ecology & Ecolimmunology: 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 Models in Ecolology: PR: PCB 3044, MAC 2311C (or equivalent), and graduate status or senior standing or C.I. A study of how simulation models are applied to ecological questions of both a theoretical and managerial nature. Occasional.

PCB 5527 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, recombiant proteins will be discussed in depth. Fall.

PCB 5596 Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.

PCB 5687 Evolutionary Ecology: PR: PCB 4683 or equivalent and C.I. Evolution of life history traits (e.g., propague size number, age/size at maturity, survivorship and senescence) examined using a quantitative genetic framework. Even Fall.

PCB 5709C Laboratory Virtual Simulations in Physiology: CR: PCB 5834 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 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 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 Cellular and Molecular Neuroscience: PR: Graduate standing or C.I. Designed to provide graduate students advanced knowledge of physiological processes at the cellular, molecular and system levels. Spring.

PCB 5838C 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 cellular, molecular and system levels. Spring.

PCB 5855C COS-BIOL 3(3,0) Models in Ecolology: PR: PCB 3044, MAC 2311C (or equivalent), and graduate status or senior standing or C.I. A study of how simulation models are applied to ecological questions of both a theoretical and managerial nature. Occasional.

PCB 4020 Interviewing and Counseling: PR: PSY 2012. A review of various interviewing and counseling theories and techniques used in Mental Health settings as well as practical experience in interviewing and counseling procedures. Fall, Spring.

PEL 2011 Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEL 2122 Advanced Tennis: PR: PEL 2121 or equivalent competency. A study of performance and application of advanced techniques, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2341 Beginning Tennis: Performance and application of basic skills, rules and etiquette. Occasional.

PEL 2342 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 Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEM 2101 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 Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level fitness. Fall, Spring.

PEM 2121C Yoga: Performance and application of a series of basic movements, 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 1(0,2) Yoga for Performers: The practice and study of Yoga, including postures, breathing and meditation, focusing on the needs of performers. Fall, Spring.

PEM 2127C Pilotess: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional.

PEM 2131 Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring.

PEM 2134C Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional.

PEM 2171 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 Step Aerobics: Appropriate rhythmic muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cooldown. Occasional.


UCF Courses and Descriptions

PEM 2405 ED-E&HS 3(1,2)
Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

PEM 2431 ED-E&HS 2(2,0)
Beginning Judo: Study and application of basic skills, falling, throwing techniques, basic self-defense, terminology, philosophy and fitness training involved in the Olympic sport of Judo. Fall, Spring.

PEM 2432 ED-E&HS 2(2,0)
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.

PEM 5408C ED-CFCS 3(2,1)
Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence, as well as how teachers can protect themselves. Occasional.

PEO 2011 ED-E&HS 3(2,1)
Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring.

PEO 2031 ED-E&HS 3(2,1)
Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring.

PEO 2623C ED-E&HS 2(1,1)
Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional.

PEO 3041 ED-E&HS 3(3,0)
Games Analysis: PR: Admission to Sport and Exercise Science program. Concepts, principles, and methods common to the coaching of football. Includes study and application of basic football offensive and defensive techniques and strategies. Fall, Spring.

PEO 3324 ED-E&HS 3(2,1)
Coaching Volleyball: PR: Admission to Sport and Exercise Science program; Sport and Exercise Science Pending or Coaching Minor. Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

PEO 3514C ED-E&HS 3(2,1)
Coaching Soccer: PR: Admission to the Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

PEO 3624 ED-E&HS 3(3,0)
Coaching Basketball: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor or Coaching Minor. Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

PEO 3644 ED-E&HS 3(2,1)
Coaching Football: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor or Coaching Minor. Theory and methods of coaching football, including the analysis of offensive and defensive techniques and strategies. Occasional.

PEO 5645C ED-CFCS 3(2,1)

PET 2081 ED-E&HS 1(1,0)
Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

PET 3005 ED-E&HS 3(3,0)
Introduction to Sport and Exercise Science: PR: Admission to Sport and Exercise Science Program or Sport and Exercise Science Pending or department consent. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall, Spring.

PET 3097 ED-E&HS 3(3,0)
Health and Wellness: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending. Explore wellness through science and the statistics of risk factors for morbidity and mortality. Students will interpret indicators, evaluate choices using assessment-intervention-reinforcement protocols. Fall, Spring.

PET 3125 ED-E&HS 3(3,0)
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.

PET 3137 ED-E&HS 3(3,0)
Concepts and Practices in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science program or C.I. Experiences in Sport and Exercise Science program: concepts, practices, and science. Fall, Spring.

PET 3361 ED-E&HS 3(3,0)
Nutrition and Metabolism in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program; Fitness Training Minor; BSC 2010C or equivalent and minimum overall 2.5 GPA. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, metabolism, and athletic performance in sport and exercise sciences. Fall, Spring.

PET 3510C HPA-HP 3(2,1)
Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Athletic Training B.S. Program. Exercise physiology, drugs of exercise science, physiology, and fitness conditioning of exercise science, physiology, and fitness conditioning. Fall, Spring.

PET 3765 ED-E&HS 3(3,0)
Coaching Theories: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Theories of coaching team and individual sports. Fall, Spring.

PET 3768 ED-E&HS 3(3,0)
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.

PET 3771 ED-E&HS 3(3,0)
Strength and Conditioning Concepts: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor and minimum overall 2.5 GPA. Addressing administrative, measurement and evaluation aspects of Sport and Exercise programs. Fall, Spring.

PET 4325 ED-E&HS 3(2,1)
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.

PET 4401 ED-E&HS 3(2,1)
Administration and Evaluation in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science Program and minimum overall 2.5 GPA. Addressing administrative, measurement and evaluation aspects of Sport and Exercise programs. Fall, Spring.

PET 4550C ED-E&HS 3(2,1)
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, APK 4110C and minimum overall 2.5 GPA. A study and acquisition of health related fitness assessment and related assessment techniques. Fall, Spring.

PET 4552 ED-E&HS 3(2,1)
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 exercises for populations dealing with aging, osteoporosis, diabetes, obesity, heart disease, and pregnancy. Fall, Spring.

PET 4606 HPA-HP 3(3,0)
Applied Fitness in Sport: PR: ZOO 3733C or ZOO 3736C and PCB 3702C or equivalent in major and Health Sciences minors only. Physiological adaptations to exercise, biomechanics, psychology, performance enhancing substances, nutrition, fitness testing procedures, exercises techniques, program design, advanced rehabilitation and administration. Spring.

PET 4710 ED-E&HS 3(2,1)
Methods for Physical Activity for Children and Adolescents: PR: Admission to Sport and Exercise Science program. Study and application of sport and exercise science: personal training and fitness related concepts. Fall, Spring.

PET 4763 ED-E&HS 3(3,0)
Coaching Methods and Principles: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Assist students in understanding and conceptually integrating teaching methodologies with emphasis given to conditioning and leadership styles. Fall, Spring.
PET 4901 ED-E&HS 3(3,0) Capstone in Sport and Exercise Science: PR: Senior standing in Sport and Exercise Science program, minimum 2.5 GPA in a sport and fitness-related organization. Graduates of S.U. Fall,Spring.

PET 4925 ED-E&HS 6(0,16) Sport and Exercise Practicum I: PR: Overall 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. Graduates of S.U. Fall,Spring.

PET 4926 ED-E&HS 9(0,0) Sport and Exercise Science Practicum: PR: Senior standing in Sport and Exercise Science program, minimum 2.75 GPA and Advisor Consent. Field experience in a sport and exercise science organization, association, or business. Graduates of S.U. Fall,Spring.

PET 5216 ED-E&HS 3(3,0) Motivational Aspects of Coaching: PR: Graduate standing or C.I. Assist students to understand and conceptually integrate mental and physical performance, mental/physical, commitment, motivation, effort, perseverance, adherence, and moral reasoning. Occasional.

PET 5355 ED-E&HS 3(3,0) Exercise and Health: PR: Admission to master's program. EF certificate program. Will provide evidence an in-depth understanding of energy pathways, and cardiovascular, 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(3,0) Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Specializes in coaching and sport leadership in self-evaluating, examining, and developing philosophy, values, and moral reasoning skills. Occasional.


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(3,0) Contemporary Photography: PR: PGY 2401C or C.I. Recent trends in fine art photography, 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: PR: PGY 2107 (offered through Daytona State College) or C.I. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. Occasional. M&S fee $70.00

PGY 3276 CAH-SVAD 3(3,0) 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 3451C CAH-SVAD 3(2,4) Alternative Processes: PR: PGY 3472C or C.I. 19th century photographic processes and 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 2000 (offered through Daytona State College) or equivalent. Analysis of visual problems with emphasis on the conceptualizing and applying of a theoretical language to photographic imagery. Occasional. M&S fee $68.00

PGY 3480 CAH-SVAD 3(3,0) Museum and Gallery Practices: PR: PGY 3002 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) Photographic Journalism I: PR: Journalism majors only. Digital image production, photographic processes, photojournalism and visual storytelling, with emphasis on camera basics, composition skills, digital photo-editing skills, and caption writing skills. See instructor for minimal camera requirements. Occasional.

PGY 3620C COS-COMM 3(1,2) Photographic Journalism II: PR: PGY 3610C. The Picture Story. Individual and group projects for extended documentary coverage. Occasional.

PGY 3630 COS-COMM 3(3,0) Photographic Journalism III: PR: PGY 3620C. Photography Editing, Assignment selection, picture and copy editing, cropping, picture desk management, and ethics of photojournalism, and the new technological advances. Occasional.

PGY 3651C CAH-SVAD 3(2,4) Narrative Editorial Photography: PR: PGY 2650 (offered through Daytona State College) or equivalent. Explores photography in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. Occasional. 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, personal styling, and modern and/or fashion photography. Emphasis on the creation of multiple or consecutive images. Spring. M&S fee $69.00

PGY 3703C CAH-SVAD 3(2,4) Photography & the Web: PR: PGY 3821C or C.I. Advanced issues in digital imaging, emphasis on new digital technologies, including software and hardware issues. Occasional.

PGY 3751C CAH-SVAD 3(2,4) Videography: 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 3830C 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(3,0) Image, Culture, and Society: PR: PGY 3002 or C.I. The role of the media and media imagery in culture and society. Occasional.

PGY 4228C CAH-SVAD 3(2,4) Advanced Illustrative Photography: PR: PGY 3025C or C.I. Various aspects 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 Photographic Workshop: PR: PGY 3025C. Creative, technical, and conceptual approaches as related to a variety of special lighting problems in the photographic studio and on location. Occasional. M&S fee $70.00


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 3002, or C.I. Creation of photographs related to the expression of personal, political, aesthetic, and theoretical issues and ideas found in historical and contemporary imagery. Occasional. M&S fee $68.00

PGY 5108C CAH-SVAD 3(2,4) Advanced Techniques and Concepts in Photography: PR: PGY 2401C, PGY 3410C and PGY 3810C, or admission into U.C. graduate photography 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.

PHI 3041 CAH-PHIL 3(3,0) Russian Philosophy: PR: ENC 1102. A study of major themes and developments in Russian philosophy from the 18th century to the present, including critiques of communism, socialism, and Marxism. Occasional.

PHI 3100 CAH-PHIL 3(3,0) Ancient Philosophy: PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thought about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. Occasional.

PHI 3200 CAH-PHIL 3(3,0) Medieval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish and Christian philosophy, as expressed in its main problems and representative thinkers. Occasional.

PHI 3460 CAH-PHIL 3(3,0) Modern Western Philosophy: PR: PHI 2010 or C.I. Major themes and developments in modern philosophy movements from Descartes to Nietzsche. Even Fall.

PHI 3510 CAH-PHIL 3(3,0) Marx and Nietzsche: PR: Junior standing. The philosophies of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective critiques of society, the implications of their contrasting viewpoints for understanding human life, the philosophical and ideological influences of their work, and their contemporary relevance. Occasional.

PHI 3600 CAH-PHIL 3(3,0) Contemporary Philosophy: PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, phenomenology, structuralism, post-structuralism, and liberation philosophy. Occasional.

PHI 3700 CAH-PHIL 3(3,0) American Philosophy: PR: PHI 2010 or AMH 2010 or AMH 2030. A thematic and chronological survey of American philosophical, religious, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform. Even Spring.

PHI 3701 CAH-PHIL 3(3,0) Native American Philosophy: PR: PHI 2010 or C.I. Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.

PHI 3810 CAH-PHIL 3(3,0) Introduction to Philosophy: Inquiry into the meaning and justification of fundamental ideas and beliefs concerning reality, knowledge, and values; application to relevant topics in ethics, religion, and politics. Fall,Spring.
### PHI 2010H CAH-PHIL 3(3,0)
Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content. Fall.

### PHI 2011 CAH-PHIL 3(3,0)

### PHI 2101 CAH-PHIL 3(3,0)
Formal Logic I: A study of sentence and predicate logic, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics. Occasional.

### PHI 2108 CAH-PHIL 3(3,0)
Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

### PHI 2630 CAH-PHIL 3(3,0)
Ethics: An examination of the nature of moral principles and judgments and principles, with an emphasis on recent formulations in ethical theory. Occasional.

### PHI 2647 CAH-PHIL 3(3,0)
Logic and Ethics: PR: PHI 2101 or COT 3100C or MAD 2104. Research in logic applied to ethics, especially for science or technology. Use of simulation and modeling to study philosophical problems in ethics. Occasional.

### PHI 3033 CAH-PHIL 3(3,0)
Philosophy, Religion, and the Environment: PR: Junior standing or C.I. A multicultural treatment of the influence of philosophical and religious views on our understanding of, and relation to, the environment. Occasional.

### PHI 3083 CAH-PHIL 3(3,0)
Research Methods in Philosophy: PR: Philosophy or Humanities major or C.I. Sources, methods, and styles of research in Philosophy. Aimed at enhancing the research, reading, and writing skills of undergraduate philosophy students. Odd Fall.

### PHI 3151 CAH-PHIL 3(3,0)

### PHI 3320 CAH-PHIL 3(3,0)
Philosophy of Mind: PR: PHI 2010, PSY 2012, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personal identity, and the relation of psychology to neurobiology. Occasional.

### PHI 3322 CAH-PHIL 3(3,0)

### PHI 3345 PHI 3 CAH-PHIL 3(3,0)
Philosophy of Psychology: PR: Junior standing or C.I. Philosophical foundations and formulations of major psychological movements plus other philosophically interesting issues. Occasional.

### PHI 3625 CAH-PHIL 3(3,0)
Virtual Ethics: PR: COP 3502C or DIG 2000 or C.I. Ethics of virtual worlds as contrasted to the physical world, the use of simulation, virtual environments, and modeling in philosophy, especially in ethics. Occasional.

### PHI 3626 CAH-PHIL 3(3,0)
Advanced Ethics in Science and Technology: PR: COP 3502C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

### PHI 3629 CAH-PHIL 3(3,0)

### PHI 3638 CAH-PHIL 3(3,0)

### PHI 3640 CAH-PHIL 3(3,0)
Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology Occasional.

### PHI 3670 CAH-PHIL 3(3,0)
Ethical Theory: PR: Junior standing and C.I. Major classical and contemporary topics in ethics, including virtue theory, utilitarian, deontological, virtue-based and feminist approaches to ethics, rights, and justice; some examination of metaethical issues. Even Spring.

### PHI 3672 CAH-PHIL 3(3,0)
Animal Ethics: PR: PHI 2010 or C.I. Key issues and debates in the area of animal ethics, including both theoretical and applied dimensions. Occasional.

### PHI 3684 CAH-PHIL 3(3,0)
Ways of Living: PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of "the good life." Occasional.

### PHI 3700 CAH-PHIL 3(3,0)
Philosophy of Religion: PR: REL 2200 or PHI 2010. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon questions of conceptual meaning and cognitive justification. Odd Spring.

### PHI 3720 CAH-PHIL 3(3,0)

### PHI 3750 CAH-PHIL 3(3,0)

### PHI 3790 CAH-PHIL 3(3,0)
African Philosophy: PR: Junior standing or C.I. Traditional and contemporary African philosophical thought with primary emphasis on post-colonial philosophy in sub-Saharan Africa. Occasional.

### PHI 3800 CAH-PHIL 3(3,0)

### PHI 3803 CAH-PHIL 3(3,0)
Philosophy and Creativity: PR: Junior standing or PHI 2010 or C.I. A companion course to PHI 3800. Aesthetics. Examines the empirical and metaphysical claims made for creativity; attempts to account for intuition, genius, and intelligence. Occasional.

### PHI 3805 CAH-PHIL 3(3,0)

### PHI 4221 CAH-PHIL 3(3,0)
Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. Spring.

### PHI 4300 CAH-PHIL 3(3,0)
Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for, skepticism, criteria for truth and justification for belief. Occasional.

### PHI 4321 CAH-PHIL 3(3,0)
Philosophies of Embodying: Mind/Body/Self: PR: Junior standing and either PHI 2010, PHI 2106, or C.I. Different ways of understanding relations between mind, body, and nature. Self-knowledge as articulated by western and non-western philosophies from ancient to contemporary times. Occasional.

### PHI 4341 CAH-PHIL 3(3,0)
Ways of Knowing: PR: PHI 2010 or C.I. Philosophical study of approaches to knowledge, with emphasis on contributions of the knower to how things are known. Fall.

### PHI 4400 CAH-PHIL 3(3,0)
Philosophy of Science: PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. Occasional.

### PHI 4420 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or PHI 2010 or C.I. An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. Occasional.

### PHI 4500 CAH-PHIL 3(3,0)
Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, actions and events, necessity and possibility, identity, nature of persons, mind-body dualism, causality, and free will and determinism. Occasional.

### PHI 4633 CAH-PHIL 3(3,0)
Ethics and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity. Occasional.

### PHI 4633H CAH-PHIL 3(3,0)
Honors Ethics and Biological Science: PR: BSC 2010C, a course in Philosophy, and consent of Honors. Contemporary thinking on ethical issues arising from the biological sciences, including human and animal experiments, genetic engineering, and biodiversity. Occasional.

### PHI 4673 CAH-PHIL 3(3,0)
Critical Ethics: PR: Senior standing or C.I. Ethics of clinical medicine and medical research. Spring.

### PHI 4690 CAH-PHIL 3(3,0)
Ethics in Nanoscience and Nanotechnology: PR: Completion of GEP or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology. Odd Fall.

### PHI 4820 CAH-PHIL 3(3,0)
Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. Even Fall.

### PHI 4931 CAH-PHIL 3(3,0)
Philosophy in the News: PR: PHI 2010. Changing course content. A specific topic being covered by the media will be selected for philosophical examination. Course is web enhanced. Occasional.

### PHI 4935 CAH-PHIL 3(3,0)
Topics in Philosophy of Mind: PR: PHI 3320 or PHI 3323 or C.I. Recent debate in philosophy of mind. Variable topics. Examples: mental representation, consciousness, concepts, free will. May be repeated for credit. Occasional.

### PHI 4938 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Philosophy major, or C.I. Capstone course on research, presenting effective oral and written communication skills. Spring.

### PHI 5225 CAH-PHIL 3(3,0)
Philosophy of Language: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Philosophy of the nature of language and relationships between language, reality, cognition, and culture. Occasional.

### PHI 5325 CAH-PHIL 3(3,0)
Topics in Philosophy of Mind: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Contemporary issues in philosophy of mind, including explanatory gap, and the problem of other minds. Occasional.
UCF Courses and Descriptions

PHI 5328 CAH-PHIL 3(3,0) Philosophies of Embodiment: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.

PHI 5329 CAH-PHIL 3(3,0) Philosophy of Neuroscience: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neuropsychology, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.

PHI 5340 CAH-PHIL 3(3,0) Research Methods in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. Spring.

PHI 5627 CAH-PHIL 3(3,0) Theoretical and Applied Ethics: PR: Senior standing or C.I. Theoretical and applied ethics with emphasis on the ethical and moral implications of contemporary issues in applied fields. Variable content. Fall.

PHI 5628 CAH-PHIL 3(3,0) Medical Ethics: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.

PHI 5665 CAH-PHIL 3(3,0) Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content. Fall.

PHI 5687 CAH-PHIL 3(3,0) Ethics in Science and Technology: PR: Graduate standing or C.I. The relationship between ethics and the pursuit and application of human knowledge, emphasizing the responsibility of scientists to society. Occasional.

PHI 5810 CAH-PHIL 3(3,0) Philosophy of Law: PR: Junior standing or PHI 2010, or C.I. A critical analysis of the meaning and significance of various kinds of law from a variety of philosophical perspectives. Spring.

PHI 5811 CAH-PHIL 3(3,0) Sexuality, Gender & Philosophy: PR: WST 3015, PHI 2010, PHI 3123, or C.I. Examine the contributions of poststructuralist and psychoanalytical theories to cultural issues of sexuality and gender. Even Spring.

PHI 5812 CAH-PHIL 3(3,0) Freedom and Justice: PR: Junior standing or PHI 2010 or C.I. Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state; includes topics such as freedom, equality, and justice. Occasional.

PHI 5813 CAH-PHIL 3(3,0) Feminist Theories: PR: ENC 1102. Contemporary issues and perspectives in feminist theory and their relation to divergent feminist practices. Even Fall.

PHI 5814 CAH-PHIL 3(3,0) Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or POS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. Spring.

PHI 5815 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHI 5816 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHI 5817 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.

PHI 5818 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.

PHI 5819 CAH-PHIL 3(3,0) Phenomenology: PR: Junior standing and three of the following courses: PHI 3670, PHI 3638, PHI 4331, PHI 4440, PHI 4633, PHI 4931 or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5820 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, Graduate standing or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHI 5821 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.


PHI 5823 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.

PHI 5824 CAH-PHIL 3(3,0) Phenomenology: PR: Junior standing and three of the following courses: PHI 3670, PHI 3638, PHI 4331, PHI 4440, PHI 4633, PHI 4931 or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5825 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.

PHI 5826 CAH-PHIL 3(3,0) Physical Assessment Lab: PR: PHI 3069. Lab course emphasizing the procedures required to perform an evaluation of a physical therapy patient. Occasional.

PHI 5827 CAH-PHIL 2(0,4) Foundations of Physical Therapy:PR: Admission to the Physical Therapy program. Introduction to the profession of physical therapy. Occasional.

PHI 5828 CAH-PHIL 2(0,4) Clinical Kinesiology: CR: PHI 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.


PHI 5830 CAH-PHIL 2(0,4) Therapeutic Exercise I: CR: PHI 4222L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. Occasional.

PHI 5831 CAH-PHIL 2(0,4) Therapeutic Exercise Lab: CR: PHI 4230. Lab course emphasizing use of various therapeutic exercise modalities. Occasional.

PHI 5832 CAH-PHIL 2(0,4) Therapeutic Exercise II: CR: PHI 4222L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. Occasional.


PHI 5836 CAH-PHIL 2(0,4) Therapeutic Exercise I: CR: PHI 4222L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. Occasional.

PHI 5837 CAH-PHIL 2(0,4) Therapeutic Exercise Lab: CR: PHI 4230. Lab course emphasizing use of various therapeutic exercise modalities. Occasional.

PHI 5838 CAH-PHIL 2(0,4) Foundations of Physical Therapy:PR: Admission to the Physical Therapy program. Introduction to the profession of physical therapy. Occasional.

PHI 5839 CAH-PHIL 2(0,4) Clinical Kinesiology: CR: PHI 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.


PHZ 5846C COS-PHYS (3,3)
Methods of Experimental Physics: PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. Fall.

PHY 5933 Selected topics in biophysics of macromolecules: PR: PHY 3101, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. Occasional.

PHZ 5113 Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics. Spring.

PHZ 3151 Computer Methods in Physics: PR: PHY 3101. Non-computational aspects of nanoscience. Students will be introduced to computer software and techniques used to model the nano-world using simulation software. Fall.

PHZ 5445 Nanoscale Surface Physics: PR: PHY 3101, CHM 2046, and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

PHZ 5425C COS-PHYS (3,3)
Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.


PHZ 5437 Nanoscale Surface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.

PLA 3014 HPA-LS (3,0)
Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PLA 3015 PLA-3015 (3,0)
General Relativity: PR: Graduate standing or C.I. Introduction to Einstein’s theory of gravitation. Odd Spring.

PLA 3108 HPA-LS (3,0)
Legal Research: PR: or CR: PLA 3014, or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. Fall.

PLA 3155 PLA-3015 (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 (3,0)
Civil Practice and Procedure: PR: or CR: PLA 3014 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. Fall, Spring.

PLA 3277 HPA-LS (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 (3,0)
Civil Procedure: 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 (3,0)
Criminal Procedure: PR: ENC 1102 and Sophomore Standing. Rules of criminal procedure, with emphasis on trial rules, including rights to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.

PLA 3615 HPA-LS (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 (3,0)
Law and Technology: Drones and Artificial Intelligence: PR: PLA 3014, or C.I. 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 (3,0)
Honors Moot Court: PR: Junior Standing and Consent of Honors, and C.I. 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 (3,0)
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 (3,0)
Contemporary Issues in Law: PR: ENC 1102 and Junior Standing. Examine and analyze contemporary legal issues and interplay between state and federal law applications. Topics track current social legal issues. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

PLA 4226 HPA-LS (3,0)
Advanced Trial Advocacy: PR: (PLA 4910 and Junior Standing) or C.I. Litigation and trials at an advanced level; students must handle a trial from beginning to end. May be repeated for credit. Fall, Spring.

PLA 4240 HPA-LS (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 resolutions processes. Occasional.

PLA 4263 HPA-LS (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 the Florida Evidence Code. Fall, Spring.

PLA 4410 HPA-LS (3,0)
Intelligence Law and Technology: Drones and Artificial Intelligence: PR: PLA 3014 and Junior Standing, or C.I. 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 4764 HPA-LS 3(3,0) Employment Discrimination Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 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) World Hunger Morality & the Law: PR: Junior Standing and C.I. Examine world hunger as a complex issue of sustainable human development, root causes and consequences of domestic and global hunger, and effect on legal systems. Spring.

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 substances, 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 practical 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 3014, 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. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.


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) World Legal Systems: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.


PLA 4843 HPA-LS 3(3,0) Immigration Law and Policy: PR: PLA 3014, and Junior standing. Major topics in U.S. immigration law to include the statutory, historical, and procedural foundations of U.S. immigration 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 5587 HPA-LS 3(3,0) Current Issues in Cyberlaw: PR: Graduation or 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 Civilization I: Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall.

POR 1121C CAH-LANG 4(3,1) Elementary Portuguese Language and Civilization II: PR: POR 1120C or C.I. Continuation of POR 1120C. The course emphasizes the four major language skills: reading, writing, listening, and speaking. Spring.

POR 2200 CAH-LANG 3(3,0) Intermediate Portuguese I: PR: POR 1120C or 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.
POS 3235H COS-POLS 3(3,0) Honors Mass Media and Politics: PR: POS 2041 or C.I., consent of Honors. Influence of media on 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 3003 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, including dynamic change, emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. Fall.

POS 3443 COS-POLS 3(3,0) Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system and the process 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 economics, 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(3,0) Honors Scope and Methods: PR: POS 2041 and consent of Honors. Scope and methodology of political analysis. Discipline-specific research design, research processes and methods, evaluation 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 INR 2002 or C.I. Logic of inquiry, research design, literature review, research ethics, case studies and case selection; other qualitative methods, such as interview techniques and content analysis. Even Spring.

POS 3949 COS-POLS 0(0,8) Cooperative Education in Political Science: PR: Departmental permission required before registering. Cooperative education experience in political science. Graded S/U. May be repeated. Occasional.

POS 4030 COS-POLS 3(3,0) The Politics of Sports: PR: POS 2041 or C.I. Emergent concerns in sports policy, institutional interventions in sports regulations, 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 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 patterns, processes, and issues in 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 influence. Occasional.

POS 4244 COS-POLS 3(3,0) Political Socialization: PR: POS 2041 or C.I. Examinations 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, court outputs, comparative judicial behavior. Fall. Odd Spring.

POS 4412 COS-POLS 3(3,0) Presidential Campaigning: PR: ENC 1102. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. Occasional.

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 the economy. Fall.

POS 4604 COS-POLS 3(3,0) American Constitutional Law II: PR: ENC 1102 or POS 2041 or C.I. Development of American liberalism and national power, commerce clause, and nationalization of the economy. Fall.

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 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 COS-POLS 3-9(0,3-9) 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.

POS 5204 COS-POLS 3(3,0) American Political Thought: PR: ENC 1102 or POS 2041 or C.I. From its sources to the 20th century, including liberalism, puritanism, the Federalist, the rise of industrialism, resulting social movements, modern and contemporary. Odd Fall.

POS 3302 COS-POLS 3(3,0) Modern Political Ideologies: PR: ENC 1102. A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. Occasional.

POS 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.

POS 4025 COS-POLS 3(3,0) Ancient, Medieval and Early Modern Political Philosophy: PR: ENC 1102. Study of the development of political and social ideas in western thought from early Greece through the 17th century. Occasional.

POS 4054 COS-POLS 3(3,0) Modern Political Philosophy: PR: ENC 1102. Study of the development of political and social ideas from the 18th century to the present. May be taken independently of POT 4045 (Ancient, Medieval and Early Modern Political Philosophy). Occasional.

POS 4066 COS-POLS 3(3,0) Contemporary Political Theory: PR: ENC 1102. Study of the contemporary debate about the status of rights, utilitarianism, and liberalism, and communitarian Marxism, libertarian, and feminist critiques of liberalism. Occasional.

POS 4109 COS-POLS 3(3,0) Politics and Literature: PR: Junior standing. Politics and political process through the medium of literature. Occasional.

POS 4109H COS-POLS 3(3,0) Honors Politics and Literature: PR: Junior standing. Politics and political process through the medium of literature. Occasional.

POS 4305 COS-POLS 3(3,0) Democracy, Capitalism, and the Individual: PR: POS 2041 or C.I. An examination of the institutions of capitalism and democracy as the means of organizing, respectively, an economy and a polity. Fall.

POS 4314 COS-POLS 3(3,0) Contemporary Democratic Theory: PR: ENC 1102 or POS 2041 or C.I. Study of democratic theories, emphasizing liberal democracy and its critics, elitist theories, participatory democracy, citizen participation, and relevance of empirical research to democratic theory. Occasional.

POS 4331 COS-POLS 3(3,0) Utopia/Dystopia: PR: ENC 1102. Examines political issues, such as justice, economic distribution and social organization by exploring both classic and contemporary utopias and dystopias. Occasional.

POS 4345 COS-POLS 3(3,0) Pan-Africanist Thought: PR: INR 2002 or C.I. Philosophical assumptions, theoretical frameworks, ideological orientations and sociopolitical thinkers that have contributed to the tradition of Pan-Africanist thought. Occasional.

POS 4414 COS-POLS 3(3,0) Marxist Political Theory: PR: ENC 1102. Survey of Marx & Engels and other thinkers, exploring the theoretical underpinnings of nations and groups who have adopted manist principles for governance. Occasional.
PUP 4000H COS-COMM 3(3,0) Honors Public Relations: PR: Consent of Honors, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Advanced review of principles and practices of public relations including techniques, research tools, publicity and management. Occasional.

PUP 4001 COS-COMM 3(3,0) Preparing for Professional Practice: PR: PUR 4000 and Approval of PR 4041, and senior standing or C.I. Advanced study in the history, principles, skills, ethics of PR and preparation for certification in Principles of Public Relations exam administered by the UAB, Fall/Spring.

PUP 41100 COS-COMM 1(3,1) Public Relations: C.I. A communication-based Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent course school experiences required. Fall/Spring.

RED 4043 ED-TL&L 3(3,0) Content Reading in Kindergarten through Grade 12: PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 school curriculum; Principles, strategies, assessment, and promoting practices. Fall/Spring.


RED 4942 ED-TL&L 3(3,0) Practicum for Assessment and Instruction of Reading: PR: RED 4519. Corequisite: Internship I. Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent course school experiences required. Fall/Spring.

RED 5147 ED-TL&L 3(3,0) Instructional Reading: PR: Graduate standing or C.I. Principles, processes, organization, and current practices in the elementary reading program. Materials and methods of instruction. Occasional.

RED 5517 ED-TL&L 3(3,1) Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and corrective teaching in reading; instructional materials. Case study required. Even Fall/Spring.

RED 5948 ED-TL&L 3(3,0) Practicum in Reading Assessment and Instruction Utilizing the K-12 Environment: PR: RED 5517. Practicum that requires application of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent K-12 field experiences required. Fall/Spring.

REE 3043 BA-FIN 3(3,0) Fundamentals of Real Estate: PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. Fall/Spring.

REE 3433 BA-FIN 3(3,0) Real Estate Law: PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. Fall/Spring.

REE 3614 BA-FIN 3(3,0) Environmental Issues for Real Estate: PR: REE 3043, REE 3433; open to majors or minors which require this course. Political, cultural, institutional and scientific mechanisms which shape environmental policy. The effects of hazard, risk and uncertainty in policy development. Occasional.


REE 4203 BA-FIN 3(3,0) Commercial Real Estate Finance: PR: FIN 3403; open to majors or minors which require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. Occasional.

REE 4204 BA-FIN 3(3,0) Residential Real Estate Finance: PR: FIN 3403; open to majors or minors which require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall/Spring.

REE 4303 BA-FIN 3(3,0) Real Estate Investment Analysis: PR: FIN 3403. Focus on real estate decision-making in the private sector utilizing tools of financial and economic analysis. Fall/Spring.

REE 4312 BA-FIN 3(3,0) Real Estate Market Analysis: PR: REE 3043. Course applies finance and economic tools to housing and commercial markets, emphasis on urban housing, real estate brokerage, effects on market performance and development. Fall.

REE 4732 BA-FIN 3(3,0) Real Estate Development: PR: FIN 3403. The real estate development process, from the inception of a project through to lease-up, long-term financing, and final sale to the investment community. Fall.

REE 4933 BA-FIN 3(3,0) Advanced Topics in Real Estate: PR: RED 3043 and RED 3433, or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Cases cover the entire planning process for a real estate development or redevelopment project. Occasional.
REL 2000 CAH-PHIL 3(3,0)
Introduction to Religion and Cultural Studies: Introduction to the fields of religion and cultural studies explored from various disciplinary perspectives with attention given to the relationship between religion and popular culture. Fall.

REL 2300 CAH-PHIL 3(3,0)
World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.

REL 2300H CAH-PHIL 3(3,0)

REL 3101 CAH-PHIL 3(3,0)
Religion in Popular Culture: PR: REL 2000, REL 2300 or C. I. Exploration of traditional religion in popular culture and popular culture as non-traditional religion by means of various perspectives with emphasis on the religious dynamics involved but often unnoticed in popular (secular) culture. Fall.

REL 3111 CAH-PHIL 3(3,0)
Religion and Philosophy Through Film: PR: HUM 2230 or REL 2300, Critical thematic elements encountered in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.

REL 3123 CAH-PHIL 3(3,0)

REL 3130 CAH-PHIL 3(3,0)

REL 3320 CAH-PHIL 3(3,0)
Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C. I. Main themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

REL 3333 CAH-PHIL 3(3,0)
Hinduism: PR: HUM 2230, REL 2300, or C. I. A survey of the development of Hindu thought and culture from Vedic times to the Upanishads, Epic Literature to the modern age. Even Spring.

REL 3340 CAH-PHIL 3(3,0)
Buddhism: PR: HUM 2230 or REL 2300 or C. I. An introduction to Buddhist thought, practices, cultures and history. It explores the development of Buddhism throughout South-East Asia, East Asia, Tibet and the West. Odd Fall, Spring.

REL 3363 CAH-PHIL 3(3,0)
Islam: PR: REL 2300 or C. I. Development of Islamic religious thought and culture, emphasizing the teachings of the Qur’an, Hadith, Islamic law, and philosophy with special focus on perceptions of Islam in the West. Fall.

REL 3403 CAH-PHIL 3(3,0)
Christianity: PR: REL 2300. A study of Christianity and the history of its associated beliefs, rituals, and art with special attention to issues concerning human nature, social justice, the state, just war, science, and attitudes toward women. Occasional.

REL 3432 CAH-PHIL 3(3,0)
Roots of Western Mysticism: PR: HUM 3431, PHI 3435, REL 3403, REL 3320, PHIL 3100, or PHIL 3200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.

REL 4110 CAH-PHIL 3(3,0)
Religion and the Arts: PR: At least one of the following: HUM 2230, HUM 2320, ARTH 2200, APHIL 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. Occasional.

REL 4157 CAH-PHIL 3(3,0)

REL 4178 CAH-PHIL 3(3,0)
Religion and Law: PR: POS 2041. Ideas and events which mark the relationship of religious ideation and practice, law and politics and cultural values which inform them. Fall.

REL 4180 CAH-PHIL 3(3,0)
Religion and Medicine: PR: Junior standing and REL 2300 or C. I. A study of the approaches toward medicine and healing in different religious traditions, both in the US and abroad. Odd Spring.

REL 4180H CAH-PHIL 3(3,0)

REL 4496 CAH-PHIL 3(3,0)
Key Concepts in Religion and Cultural Studies: PR: REL 2000, or C. I. Study of the development, methodology and research in the field. May be repeated for credit only when course content is different. Occasional.

REL 4901 CAH-PHIL 1(1,0)
Portfolio: PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sampling of a student's best undergraduate work, with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded S/U. Occasional.

REL 4910 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Religious Studies major, or C. I. Capstone course on research, developing effective oral and written communication skills. Spring.

REL 4936 CAH-PHIL 3(3,0)
Key Figures in Religion and Cultural Studies: PR: REL 2000, or C. I. Study of a central figure’s work, influences, and effect. May be repeated for credit only when course content is different. Occasional.

RMI 3011 BA-FIN 3(3,0)
Principles of Risk and Insurance: PR: FIN 3403. Emphasis is on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. Spring.

RTE 3457C HPA-HP 3(3,5,1)

RTV 2100 COS-COMM 3(3,0)
Writing for the Electronic Media: PR: ENC 1112, RTV Major. Practical experience in writing for various electronic media including radio, television, corporate, and digital media. Scriptwriting requirements, writing styles and creative applications. Fall, Spring.

RTV 3007 COS-COMM 3(3,0)
Development and Structure of Electronic Media and New Technology: PR: SPCH 1608 or SPCH 1609C or COM 1000 or C. I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. Fall, Spring.

RTV 3301 COS-COMM 3(3,0)

RTV 3304 COS-COMM 3(3,0)
Electronic Journalism II: PR: RTV 3301, RTV 3531C, and RTV Major - Broadcast Journalism Socialization. Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newswriting context for actual production of analog and digital radio and television news packages. Fall, Spring. M&S fee $10.00

RTV 3321 COS-COMM 4(4,0)
Electronic News Gathering: PR: JOU 2100 and status as either an RTV or Journalism major, or C. I. An introduction to the profession of journalism and the news. Students plan, research, report, write and execute electronic news productions from concept to finished product. Fall, Spring.

RTV 3511 COS-COMM 3(3,0)
Production Fundamentals and Aesthetics of Electronic Media: PR: Either SPCH 1603, or COM 1000, or C. I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems. Fall, Spring.

RTV 3531C COS-COMM 4(3,1)
Single Camera Video Production and Editing: PR: RTV 3301 and RTV Major - Production Specialization or Broadcast Journalism Socialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $20.00

RTV 3556C COS-COMM 3(2,1)
Studio Television Production: PR: RTV 3301 and RTV Major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, tape recorders, cameras, video switches, lighting, and electronic graphics. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $20.00

RTV 3571C COS-COMM 3(2,1)
Audio Production I: PR: RTV 3301 and RTV Major - Production Specialization. Advanced audio production editing, including A/B roll time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $10.00

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 systems. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $10.00

RTV 3581C COS-COMM 3(2,1)
Lighting for Video: PR: RTV 3453C or RTV 3531C, and RTV Major - Production Specialization. Basic lighting techniques for both studio and location, single and multiple-camera video production. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $20.00

RTV 3590C COS-COMM 3(2,1)
Production of Interactive Multimedia: PR: CGS 1060C; 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 facility outside of class. Fall. M&S fee $10.00

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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 performer in any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditioning, performing 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 1606, 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. Occasional.

RTV 3942L COS-COMM 1-3(0.3-9) Practicum: PR: C.I. RTV Major, and either RTV 3565C, RTV 3534C, or RTV 3513C. Student will serve in some position of responsibility for UCF Weekly News or other RTV lab facility outside of class. May be repeated for credit. Occasional.

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 effects, and emerging communication technologies, including digital media. Fall/Spring.

RTV 4503 COS-COMM 3(3.0) Sports Programming in Electronic Media: PR: Either SPC 1606, 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 issues for TV & Motion Pictures that emerge from the development of 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 3534C and PR or CR: RTV 3571; 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) Advertising Production: PR: RTV 3565C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4561C COS-COMM 3(2.1) Radio Production and Programming: PR: RTV 3511 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today’s radio listener. Students should expect significant work in the RTV lab facility outside of class. Fall.

RTV 4591C COS-COMM 3(2.1) Webcasting I: PR: RTV Major and PR or CR: RTV 3590C. Presentation of broadcast material on the web. Integrates the distribution of radio, television, and web content. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4592C COS-COMM 3(2.1) Webcasting II: PR: RTV 4591C and RTV Major. Production of digital media in conjunction with other RTV production activities to repurpose broadcast content for delivery on the web. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4673C COS-COMM 3(2.1) Television Directing: PR: RTV 3534C, RTV 3531C, and RTV Major - Production Specialization. Preparation and execution of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Students should expect significant work in the RTV lab facility outside of class. Fall. M&S fee $20.00

RTV 4681C COS-COMM 4(1.3) Television Newsroom Management: PR: RTV 4604 and RTV Major. Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. Fall/Spring. M&S fee $20.00

RTV 4682C COS-COMM 3(2.1) Advanced TV News: PR: RTV 4681C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4700 COS-COMM 3(3.0) Regulation of Broadcasting: PR: RTV Major or Mass Comm. minor, and RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

RTV 4800 COS-COMM 3(3.0) Broadcast Management: PR: RTV Majors only. Examination of broadcast management problems in station operations at local, regional, and national levels. Spring.

RUS 1120 CAH-LANG 4(4.1) Elementary Russian Language and Civilization I: Introduces the student to Russian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Occasional.


RUS 2200 CAH-LANG 3(3.0) Intermediate Russian Language and Civilization I: PR: RUS 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Occasional.

RUS 2201 CAH-LANG 3(3.1) Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. Occasional.

RUS 2210 CAH-LANG 3(3.0) Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

RUS 3240 CAH-LANG 3(3.0) Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

RUS 3760 CAH-LANG 3(3.0) Advanced Russian Oral Communication: PR: RUS 2201 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and 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 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. Review and application of basic security principles to retail security, transportation/cargo security, utility security, computer security, and other special security situations. Occasional.

SCE 3310 ED-TL&L 4(4.0) Teaching Science in Elementary School: PR: EDG 4410 or C.I.; CR: EDE 3942. Specialized concepts; organizing for instruction; techniques; evaluation procedures. Fall/Spring. M&S fee $10.00

SCE 4304 ED-TL&L 4(4.0) Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery science/design program for young children in an integrated, interactive curriculum. Fall.

SCE 4360 ED-TL&L 4(4.0) Science Instructional Analysis: PR: EDG 4410 or C.I.; CR: SCE 3940. Course objectives for a school curriculum and methods and materials for the middle grades and high school. Fall/Spring. M&S fee $10.00

SCE 4361 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 5325 ED-TL&L 3(3.0) Teaching Middle School Science: PR: EDG 4615, TEL 5956, or admission to MED program or Initial Teacher Professional Preparation certificate. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary learning, technology use, ESOL, and inquiry in science. Occasional.

SCE 5337 ED-TL&L 3(3.0) Issues and Methods in Secondary School Science: PR: EDG 4615, TEL 5956, or admission to MED program or Initial Teacher Professional Preparation certificate. Course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary learning, technology use, ESOL, and inquiry in science. Occasional.

SCE 5836 ED-TL&L 3(3.0) Science 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-CFC 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 support student success beyond the first year and the university. Fall/Spring.

SLS 1501 ED-CFC 1-3(1-3.0) Strategies for Success in College: PR: First Time in College (FTC) standing or C.I. Development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall/Spring.

SLS 2311 COM-BSBS 2(2.1) Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.

SOP 3004 COS-PHY 3(3,0)
Social Psychology: PR: PSY 2012. Effects of social situations or social variables on the behavior of individuals. Fall, Spring.

SOP 3723 COS-PHY 3(3,0)

SOP 3724 COS-PHY 3(3,0)
Psychology of Prejudice and 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-PHY 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-PHY 3(3,0)
Legal Aspects of Psychology: PR: PSY 2012 or SYG 2002 or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Occasional.

SOP 3784 COS-PHY 3(3,0)

SOP 5059 COS-PHY 3(3,0)
Advanced Social Psychology: PR: SOP 304C, graduate status or senior standing, or C.I. The major findings and theories in social psychology including an in-depth review of relevant research. Occasional.

SOW 2020 HPA-SOWK 3(3,0)
Introduction to Social Change: Introduces students to the field of social services, with emphasis on the social work profession and other careers that create social change. Fall.

SOW 3104 HPA-SOWK 3(3,0)

SOW 3111 HPA-SOWK 3(3,0)
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 3300 HPA-SOWK 3(2,1)

SOW 3352 HPA-SOWK 3(2,1)
Practice II: Interpersonal Skills in Social Work:: PR: SOW 3300 or CR or CR: SOW 3300. Study and practice of interviewing, group leadership, written communication, and oral presentations, in consensual as well as confictual contexts of social work. Spring.

SOW 3401 HPA-SOWK 3(0,0)
Social Work Research: PR: STA 2014C or STA 2023. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice. Spring.

SOW 3620 HPA-SOWK 3(3,0)
Culturally Competent Social Work Practice: PR: SOW 3284 and SOW 3304 or PR or CR: SOW 3300. 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 examined from a strengths perspective. Assessment & intervention recognizing cultural differences will be addressed. Fall.

SOW 4148 HPA-SOWK 3(3,0)
Introduction to Military & Veteran Culture for Social Work Practice: PR: Junior Standing; CR: SOW 3284 or C.I. Introduction of military life providing specific ways to better understand, communicate, and effectively interact with military, veterans, and their families. Fall, Spring.

SOW 4232 HPA-SOWK 3(3,0)

SOW 4283 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 4322 HPA-SOWK 3(3,0)
Social Work Practice with Groups: PR: SOW 3104 and Junior Standing. Explore the roles social workers in diverse groups. Fall.

SOW 4341 HPA-SOWK 3(1,2)
Field Education Seminar: PR: Completion of required courses in major: GPA 2.5 in major; CR: SOW 4522. Supervised field learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded SU Spring.

SOW 4510 HPA-SOWK 3(0,28)
Field Education: PR: Completion of required courses in major: GPA 2.5 in major; CR: SOW 4522. Supervised learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded SU Spring.

SOW 4515 HPA-SOWK 1-2(1-2,0)
Part Time Field Education Seminar: PR: Completion of all other 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 2(3,1)
Field Education: Seminar: PR: Completion of required courses in major: CR: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4602 HPA-SOWK 3(3,0)
Social Work in Health Settings: PR: Junior Standing or C.I. Study of social work roles, interventions and issues related to working with 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: Prevention and Treatment: PR: SOW 3300 and Admission to BSW program or C.I. The social worker’s role and intervention with victims of child abuse and their family members. 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 3284, SOW 3300, and Junior standing or C.I: 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)

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)

SOW 4754 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 3283 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 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 interventions for human diversity. Fall.

SOW 5106 HPA-SOWK 3(3,0)
Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. Spring.

SOW 5132 HPA-SOWK 3(3,0)
Diverse Client Populations: Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. Spring.

SOW 5149 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 military and their families. Fall.

SOW 5235 HPA-SOWK 3(3,0)
Social Welfare Policies and Services: Study of societal responses to human needs; forces shaping social welfare systems; introduces frameworks for analyzing social policies and services Fall.

SOW 5305 HPA-SOWK 3(3,0)
Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. Fall.

SOW 5306 HPA-SOWK 3(3,0)
Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies and techniques for helping people and improving system responsiveness to human needs. Spring.
Leadership Through Oral Communication: PR: or CR: COM 3311 or C.I. Investigation of leadership in oral communication situations, principles of effective leadership, and leadership in problem solving. Fall, Spring.

Argumentation and Debate: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Study of the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

Honors Argumentation and Debate: PR: Consent of Honors and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Advanced study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

Nonverbal Communication: PR: or CR: COM 3311, or C.I. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralanguage. Lectures are supplemented by frequent nonverbal exercises. Fall, Spring.

Group Dynamics: PR: or CR: COM 3311, or C.I. Human behavior in group situations. Fall, Spring.

Persuasion and Communication: PR: or CR: COM 3311, or C.I. A survey of the immediate and direct ways in which persuasive communication and social groups come to influence attitudes. Fall, Spring.

Aquatic Management: PR: Admission to the Sport and Exercise Science Program or Community Sport and Fitness Minor, and minimum overall 2.5 GPA. Requisite knowledge for developing and operating aquatics programs safely, effectively. Fall, Spring.

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.

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. Examining the role of public relations and media with specific application to sport and exercise science professionals. Fall, Spring.

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. Design, maintenance, and operation of sport and exercise science facilities with a specific focus on fiscal management. Fall, Spring.

Legal Issues in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the legal issues and problems encountered by sport and exercise science professionals. Fall, Spring.

Introduction to Sports Administration: PR: C.I. This course will provide an overview of the sports industry. Fall, Spring.

Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

Financial Issues in Sports and Fitness: PR: C.I. Examines basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. Occasional.

Honors Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Honors-level content. Occasional.

Elementary Spanish Language and Civilization I: Introduces the student to Spanish culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall, Spring.

Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Continuation of SPN 1120C. Fall, Spring.

Honors Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Same as SPN 1121C with honors-level content. Occasional.

Intermediate Spanish Language and Civilization I: PR: SPN 1220C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

Intermediate Spanish Language and Civilization II: PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. Occasional.

Intermediate Spanish Language and Civilization II: PR: SPN 2200 or equivalent. Continuation of SPN 2200, emphasizing the remaining grammatical topics and composition skills. Fall, Spring.

Advanced Spanish Native Fluency I: PR: SPN 3340 or C.I. Designed for Spanish native speakers and advanced non-native speakers to improve their language skills. Students work on projects individually or in groups according to their own interests. Occasional.

Advanced Spanish Native Fluency I: PR: SPN 3330 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. Fall.

Advanced Spanish Native Fluency II: PR: SPN 3340 or C.I. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.

Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. Fall, Spring.

Contemporary Spanish Culture Abroad: PR: SPN 2241 or C.I. Intensive study of the Spanish language and composition skills for native or near-native fluency speakers. Fall, Spring.

Modern Spanish Civilization Study Abroad: PR: SPN 2240 or equivalent. Vocabularies and grammar building with systematic training in diction and pronunciation, vocabulary and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.


Business Spanish IV: PR: C.I. Advanced course in business terminology and development of advanced language skills. Odd Fall.

Advanced Spanish Conversation: PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.

Advanced Spanish Composition: PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Even Spring.
SPN 4510 CAH-LANG 3(3,0)
Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from Pre-Columbian times to the present. Conducted in Spanish. Occasional.

SPN 4520 CAH-LANG 3(3,0)
Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

SPN 4780 CAH-LANG 3(3,0)
Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.

SPN 4800 CAH-LANG 3(3,0)

SPN 4801 CAH-LANG 3(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, verbal, pronominal and adverbial domains, and archaism. Occasional.

SPN 5502 CAH-LANG 3(3,0)
Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. Occasional.

SPN 5505 CAH-LANG 3(3,0)
Spanish Peninsular Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization. Occasional.

SPN 5506 CAH-LANG 3(3,0)
Spanish American Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization. Occasional.

SPN 5705 CAH-LANG 3(3,0)
Introduction to Spanish Linguistics: PR: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analyses focusing on Spanish phonetics, morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. Odd Fall.

SPN 5825 CAH-LANG 3(3,0)
Spanish Dialectology: PR: Graduate status or senior standing or C.I. This course is a survey of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influences, and historical development. Occasional.

SPN 5845 CAH-LANG 3(3,0)
History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

SPN 5920 CAH-LANG 3(3,0)
AP Spanish Language: PR: Graduate status or senior standing or C.I. Participants will enhance their knowledge of the language and culture of Spanish-speaking peoples and develop further proficiency in listening, comprehension, speaking, reading, and writing. Occasional.

SPS 5177 ED-CFCS 3(3,0)
Enhancing Individual and Student IQ: PR: Graduate standing or C.I. Students will understand IQ measurement and methods of enhancing IQ. Students will analyze acquisition of knowledge gained from methods of scientific inquiry regarding individual differences. Even Spring.

SPS 5605 ED-CFCS 3(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(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 tourists. Occasional.

SPT 3800 CAH-LANG 3(3,0)
Spanish Translation and Interpretation: PR: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

SPT 3805 CAH-LANG 3(3,0)
Spanish Translation and Interpretation for Mass Communication: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media. Even Spring.

SPT 3809 CAH-LANG 3(3,0)
Medical Spanish Translation/Interpretation: PR: SPN 2241 and SPN 3420. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. Odd Fall.

SPT 3820 CAH-LANG 3(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(3,0)
Spanish Legal Translation and Interpretation: PR: SPN 3420 and SPN 2241. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit. Even Fall.

SPT 4801 CAH-LANG 3(3,0)

SPW 3000H CAH-LANG 3(3,0)
Honors Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and Junior standing or C.I. Students will analyze, discuss and research English translations of Spanish and Latin American Nobel Prize-Winning writers. Through readings, students will explore the universality of Spanish literature. Occasional.

SPW 3100 CAH-LANG 3(3,0)
Survey of Spanish Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the Middle Ages through the Eighteenth century. Fall.

SPW 3101 CAH-LANG 3(3,0)
Survey of Spanish Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

SPW 3130 CAH-LANG 3(3,0)
Survey of Latin-American Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the colonial period to Nineteenth Century Romanticism. Fall.

SPW 3131 CAH-LANG 3(3,0)
Survey of Latin-American Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism to the present. Spring.

SPW 3320 CAH-LANG 3(3,0)
Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor's technique and practice in Spanish. Short scenes will be performed in class. Occasional.

SPW 3321 CAH-LANG 3(3,0)
Modern Hispanic Theatre Workshop II: PR: SPW 3320. Participation in a theatre production of a play in Spanish, Open to majors in Spanish, Theatre and any other interested students. Performance Evaluation will be taken into account.

SPW 3370 CAH-LANG 3(3,0)

SPW 4272 CAH-LANG 3(3,0)
20th Century Spanish Novel: PR: SPN 3101 or SPN 3131 or C.I. Major works by the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

SPW 4310 CAH-LANG 3(3,0)

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: SPN 3100 or SPN 3130 or SPN 3131 or SPN 3370 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4381 CAH-LANG 3(3,0)
Latin-American Theatre/Poetry: PR: SPN 3100 or SPN 3101 or SPN 3130 or SPN 3131 or SPN 3370. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4382 CAH-LANG 3(3,0)
Central American Literary Theory: PR: SPW 3101 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central American literary history, taught in Spanish. Occasional.

SPW 4450 CAH-LANG 3(3,0)
Spanish Literary Theory: PR: SPW 3100 and SPW 3101, or SPW 3130 and SPW 3131, or C.I. A study of textual criticism with emphasis in the theory of genre. Occasional.

SPW 4460 CAH-LANG 3(3,0)
Nineteenth Century Spanish Literature: PR: SPW 3101 or C.I. A study of the representative authors and works in Spanish Romanticism, Realism, and Naturalism. Occasional.

SPW 4604 CAH-LANG 3(3,0)
Cervantes: PR: SPW 3100 or C.I. Don Quijote. 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.
SSE 5790 CAH-LANG 3(3,0) Caribbean Spanish Language: Interpersonal, cognitive, and cultural perspectives on the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SSE 4395 CAH-LANG 3(3,0) Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SPEW 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.

SPEW 5795 CAH-LANG 3(3,0) Jewish Culture in Latin America: PR: Spanish M.A. program or graduate student proficient in Spanish; History of the arrival of Jews in Latin America and studies of Latin American Jewish communities. Literature will be taught in Spanish, including all readings. Occasional.

SSE 3312 ED-TL&L 3(3,0) Teaching Social Science in the Elementary School: PR: EDG 4410 or C.I. Selected themes, problems, and concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring.

SSE 4323 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 Florida End of Course Assessment. Spring.

SSE 4361 ED-TL&L 3(3,0) Social Science Instructional Analysis: PR: EDG 4410 and SSE 4936. CR: SSE 3940. Analysis of secondary (grades 6-12) social science instructional programs including development of objectives, materials, processes, and assessment procedures in light of current research and practice. Fall, Spring.

SSE 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. Fall.

SSE 5776 ED-TL&L 3(3,0) Democracy and Education: PR: Graduate standing or C.I. An analysis of the interaction of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas, and 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 MEd 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 3(2,1) Basic Statistics Using Microsoft Excel: Applications of Excel including using data: single-variable graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.

STA 2014C COS-STAT 3(2,1) Principles of Statistics: Introduction to statistical concepts in modern society. Basic principles, frequency distributions, measures of location and dispersion, probability, statistical inference. The "NC" grading policy applies to this course. Fall, Spring.

STA 2023 COS-STAT 3(3,0) Statistical Methods I: PR: MGF 1106 and any other MAC course. First course 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 Hons; Calculus desired by necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-IEMS 3(3,0) Probability and Statistics for Engineers: PR: MAC 2312 with a grade of "C" (2.0) or better. Axioms of probability; combinatorial and geometrical probability; probability distributions; expectations; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3032H ECS-IEMS 3(3,0) Honors Probability and Statistics for Engineers: PR: MAC 2312 with a grade of "C" (2.0) or better and honors standing. Fundamental probability and statistics principles, 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 4163 (or older STA 3130). 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 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 3032. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.

STA 4164 COS-STAT 3(3,0) Statistical Methods III: PR: STA 4163. A continuation focusing further including text study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.

STA 4173 COS-STAT 3(3,0) Biostatistical Methods: CR: STA 4163 or C.I. Applied statistical methods and principles applied to problems in medical, biological, and health sciences. Occasional.

STA 4183 COS-STAT 3(3,0) Theory of Interest: PR: STA 3032 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. Fall.

STA 4184 COS-STAT 3(3,0) Introduction to Derivative Markets: PR: STA 4183 or C.I. Cash flow and profit for simple options and forwards, hedging strategies, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration analysis, callable bonds. Spring.

STA 4186 COS-STAT 3(3,0) Theory of Derivative Pricing: PR: STA 4184 or C.I. Assumptions of derivative pricing, put-call parity, binomial pricing, market making, delta hedging, exotic options, delta-gamma Monte Carlo simulations, Brownian motion, interest rate models. Spring.


STA 4321 COS-STAT 3(3,0) Statistical Theory I: PR: STA 2023 or STA 3032; CR: MAC 2313. Probability axioms, discrete and continuous random variables, conditional probability, independence, one-dimensional random variables, moment generating functions, transformations, jointly distributed random variables. Fall.


STA 4502 COS-STAT 3(3,0) Nonparametric Statistical Methods: PR: STA 3023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. Occasional.


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STA 5045 COS-COMM 3(3,0) Statistical Analysis of Communication Data: PR: STA 2023 or C.I. Descriptive statistics; correlation; bivariate, multiple and logistic regression; reliability and validity; effect size, power, confidence intervals; one and two sample tests; ANOVA; categorical data analysis. Fall, Spring.

STA 5104 COS-COMAT 3(3,0) Advanced Computational Processing of Statistical Data: PR: STA 4162 and knowledge of a programming language, graduate status or senior standing, or C.I. Use of SAS and other statistical software packages; data manipulation; graphical data presentation; data analysis; creating analytical reports. Fall.

STA 5176 COS-COMAT 3(3,0) Introduction to Biostatistics: PR: STA 4163 or STA 4171, graduate status or senior standing, or C.I. Fixed-effects model, random-effects model, repeated measures design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.

STA 5205 COS-COMAT 3(3,0) Experimental Design: PR: STA 4164, STA 5206 or ESI 5219, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication; incomplete block designs; factorial and fractional designs; design resolution. Spring.

STA 5206 COS-COMAT 3(3,0) Statistical Analysis: PR: STA 2023; not open to students who have completed STA 4164, Graduate status or senior standing or C.I. Data analysis; statistical models; estimation; tests or hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. Fall.

STA 5505 COS-COMAT 3(3,0) Categorical Data Methods: PR: STA 4163 or STA 5206, and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar's Test, Mantel-Haenszel test. Occasional.

STA 5703 COS-COMAT 3(3,0) Data Mining Methodology I: PR: STA 5104 and STA 5206, graduate status or senior standing, or C.I. Supervised data mining tools including boosting trees, SVM machine, regression, and neural network will be covered. The Enterprise Miner (R or Python) will be used. Fall.

STA 5825 COS-COMAT 3(3,0) Stochastic Processes and Applied Probability Theory: PR: STA 4321, and graduate status or senior standing or C.I. Conditional probability and conditional expectations, sequences of random variables, branching processes, random walks, Markov chains, recurrent events, renewal theory, queuing theory, and simple stochastic processes. Spring.

SYA 3110 COS-COSC 3(3,0) Social Theory: PR: SYA 2000 or C.I. Examines major theoretical perspectives in sociology, from foundational theories that contributed to the development of the discipline to today. Fall, Spring.

SYA 3352 COS-COSOC 3(3,0) Spatial Sociology I: Intro to GIS: PR: SYA 2000 or SYA 2010, the basics of GIS as it applies to issues in society including, but not limited to those related to criminology, medical, urban, and environmental sociology. Fall.

SYA 3400C COS-COSOC 4(3,1) Applied Social Statistics: PR: Junior standing and grade of "C" (2.0) or better in SYA 2000. Sociology or Social Sciences majors only, or C.I. Apply statistical techniques to sociological data as conducted in the research and writing of social scientists. Focus is on the analysis and interpretation of data used by sociologists. Fall.

SYA 4300C COS-COSOC 4(3,2) Research Methods: PR: Junior standing and grade of "C" (2.0) or better in SYA 2000. Sociology or Social Sciences majors only, or C.I. Survival analysis, cross-sectional data analyses, sampling techniques, proposal development, critical evaluation of social research, and relationship between theory and social research. Fall.

SYA 4310C COS-COSOC 4(3,1) Qualitative Research Analysis in Sociology: PR: SYA 4300C. Advanced research design and analysis focusing on qualitative research methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing. Occasional.

SYA 4450 COS-COSOC 3(3,2) Data Analysis: Capstone: PR: Junior standing and grade of "C" (2.0) or better in SYA 4300C and SYA 3400C. Sociology or Social Sciences majors only, or C.I. Advanced social research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. Spring.


SYA 4900 COS-COSOC 3(3,1) Applied Sociology: PR: SYA 4300C. How sociology is used outside academia to apply research methods in an applied research setting, and complete an applied research project. Odd Spring.

SYA 5625 COS-COSOC 3(3,0) ProSeminar: PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive sociological areas that currently dominate scholarly inquiry, including such topics as crime, deviance, community, alcoholism, education. Fall.


SYD 3700 COS-COSOC 3(3,0) Race and Ethnicity: PR: One of SYA 3000, ANT 2000, PSY 2012, or Junior standing. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.

SYD 3800 COS-COSOC 3(3,0) Sex and Gender in Society: PR: One of SYA 3000, ANT 2000, PSY 2012, or Junior standing. Examination of sex and gender in society, as reflected in social norms, attitudes and beliefs, public and private practices, and social institutions. Fall, Spring.


SYD 4510 COS-COSOC 3(3,0) Environment and Society: PR: One of SYA 3000, ANT 2000, PSY 2012, or Junior standing. Applies the sociological perspective and sociological methods of analysis to the relationships between human behavior and the environment. Odd Spring.


SYD 4810 COS-COSOC 3(3,0) Women in Contemporary Society: PR: One of SYA 2000, ANT 2000, PSY 2012, or Junior standing. Examination and evaluation of the status of women in the context of the major social institutions (i.e. family, education, religion, economy and poity). Fall, Spring.


SYD 4820 COS-COSOC 3(3,0) Men, Masculinities and Society: PR: SYG 2000, SYA 2010 or Junior Standing. Explores the role that masculinity play in social life from a sociological perspective. Occasional.

SYD 5517 COS-COSOC 3(3,0) Environment and Society: PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment Occasional.

SYD 5795 COS-COSOC 3(3,0) Class, Race, and Gender in American Society: PR: Graduate standing or C.I. Using theoretical and empirical studies, this course will provide a sociological examination of the interactions of race, class, and gender in American society. Occasional.

SYG 2000 COS-COSOC 3(3,0) Introduction to Sociology: Scientific study of sociological concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. Fall, Spring.

SYG 2000H COS-COSOC 3(3,0) Honors Introduction to Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.

SYG 2010 COS-COSOC 3(3,0) Social Problems: Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. Fall, Spring.

SYG 3938 COS-COSOC 3(3,0) Careers in Sociology: PR: SYG 2000 or SYG 2010. Explore careers that sociology majors are prepared for upon graduation and tips for improving chances of obtaining a desired career. Fall.

SYG 4244 COS-COSOC 3(3,0) Food and Society: PR: SYG 2000, or SYG 2010, or Junior standing. Through the exploration of food in society, students will discover the significance of food in people's lives and discover ways food expresses relationships among people. Occasional.


SYO 3360 COS-COSOC 3(3,0) Social Organization and Human Relations: PR: One of SYA 3000, ANT 2000, PSY 2012, or Junior standing. Analysis of business, government, and industrial organizations. Topics include organizational theory, social systems, social structure, effects of technology, motivation, leadership, decision-making, and human relations. Occasional.

SYO 3408 COS-COSOC 3(3,0) Animals and Health: PR: One of SYA 3000, ANT 2000, or PSY 2012, or Junior standing. Explores the ways in which non-human animals both enhance and diminish humans' health. Occasional.

SYO 3410 COS-COSOC 3(3,0) Patterns of Mental Health in Society: PR: One of SYA 3000, ANT 2000, or PSY 2012, or Junior standing. A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. Occasional.
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SYP 5005 COS-SOC 3(3.0) Sociological Social Psychology: PR: Graduate standing or C.I. An exploration of sociological social psychological theories and their application in understanding the effects of society and groups on the individual. Occasional.

SYP 5566 COS-SOC 3(3.0) Seminar on Domestic Violence: Theory, Research and Social Policy: PR: Graduate status or senior standing or C.I. A sociological examination and evaluation of theories, empirical research and social policy related to the study of domestic violence. Occasional.

SYP 5615 COS-SOC 3(3.0) Sociology of Culture: PR: Graduate standing or C.I. Major theoretical approaches and empirical studies in the sociology of culture and analysis of cultural processes. Occasional.

TAX 4001 BA-ACCT 3(3.0) Taxation of Business Entities and Transactions: PR: Junior standing, ACG 3131 with a grade of “C” (2.0) or better. Federal Income tax laws affecting the taxation of business entities and transactions. Fall, Spring.

TAX 5015 BA-ACCT 3(3.0) Advanced Tax Topics: PR: Graduate standing, TAX 4001 with a “C” (2.0) or better. Advanced tax issues affecting business entities and their owners, with a primary focus on corporations and partnerships. Occasional.

THE 2000 CAH-THEA 3(3.0) Theatre Survey: Overview of the art and craft of the theatre. Restricted to non majors. Fall, Spring.


THE 2020 CAH-THEA 3(3.0) Survey of Theatre for Majors: PR: Theatre major or minor. Overview of the art and craft of theatre. Fall.

THE 2050 CAH-THEA 3(3.0) Theatre Studies in Creative Drama: Techniques and theories for facilitating creative drama with youth, as both an art form and teaching tool. Occasional.

THE 2081C CAH-THEA 3(2.1) Introduction to UCF Theatre: PR: Theatre major. Specific UCF Theatre Department production protocols and operations. Fall.

THE 2090L CAH-THEA VAR(0,VAR) Theatre Participation: PR: Department Consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 2305 CAH-THEA 3(3.0) Script Analysis for Theatre: PR: Theatre major. Exploration of dramatic form with focus on playscripts for productions. Fall, Spring.

THE 2925L CAH-THEA 1(0,VAR) Theatre Participation - Management I: PR: Theatre Major, Theatre Minor or Dance Minor. Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. Fall, Spring.


THE 3082 CAH-THEA 3(3.0) Theatre Careers: PR: B.A. Theatre major or Theatre minor “C” (2.0) or better in THE 2020 or THE 2000, and Sophomore standing. Techniques to secure employment in theatre and related fields. Occasional.

THE 3171 CAH-THEA 3(3.0) That’s Entertainment!: Theatre Experience in Theme Parks, Vegas, and Broadway: PR: THE 2000 or ENC 1102 or FIL 1000. The art and craft of theatrical live entertainment. Occasional.


THE 3250 CAH-THEA 3(3.0) Sex, Drugs, & the Rock and Roll Musical: PR: ENC 1102. Overview of the Rock & Roll musical theatre genre including culture and development. Occasional.

THE 3254 CAH-THEA 3(3.0) Queer Theatre: PR: ENC 1102. Examination of the roots, progression and current trends in Queer Theatre through the eyes of its diverse communities: activists, writers and performers. Occasional.


THE 3311 CAH-THEA 3(3.0) Theatre History and Dramatic Literature I: PR: Theatre major, “C” (2.0) or better in THE 2205. Theatre history and literature from the Greeks to the Renaissance. Fall, Spring.

THE 3312 CAH-THEA 3(3.0) Theatre History and Dramatic Literature II: PR: Theatre major, “C” (2.0) or better in THE 3311 and THE 2205. Theatre history and literature from Greek neoclassicism to modern realism. Fall, Spring.

THE 3313 CAH-THEA 3(3.0) Theatre History and Dramatic Literature III: PR: Theatre major, “C” (2.0) or better in THE 3312. Theatre history and literature from modern realism to present. Fall, Spring.

THE 3333 CAH-THEA 3(3.0) Shakespeare Skills: PR: Grade of “C” (2.0) or better in TPP 2185 or TPP 2110C. Course not allowed for BFA Theatre 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: Grade of “C” (2.0) or better in TPP 2185 or TPP 2110C. Course not allowed for BFA Theatre Majors. Study of Shakespeare’s heightened language, scansion, and text from a theatrical point of view. Occasional.

THE 4093L CAH-THEA 1(0,VAR) Theatre Participation-Management II: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 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 4320 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 4375 CAH-THEA 3(3.0) Musical Theatre History II: PR: B.F.A. Musical Theatre major, “C” (2.0) or better required in THE 2910. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1950s. Fall.


THE 4543 CAH-THEA 3(3.0) Theatre for Social Change: PR: Grade of C (2.0) or better in ENC 1101. An overview of women’s contributions to theatre. Occasional.

THE 4954 CAH-THEA 0(0,0) Theatre Exit Critique: PR: Theatre Major; Senior Standing. Completion of departmental exit critique. Graded S/U. Fall, Spring.


THE 5215 CAH-THEA 3(3.0) Global Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Theatre 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. Commonality 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 operetta to the musicals of the modern age. Course will emphasize the work of composers, librettists, and lyricists as well as representative masterworks of a variety of genre. Emphasis will be placed upon historical trends and theatrical viability. Fall.

THE 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 5385 CAH-THEA 3(3.0) Dramatic Literature for Children: PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. Even Fall.

THE 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.

TPA 3606C CAH-THEA 3(2,2) Scenic Design for Theatre I: PR: B.F.A. Stage Management or Design and Technology major and "C" (2.0) or better in THE 2000, TPA 2200C, TPA 2011C, and TPA 4250C. Projects in the fundamentals of scenic design for the stage. Fall. M&S fee $37.00

TPA 5077C CAH-THEA 3(2,2) Scene Painting: PR: "C" (2.0) or better in TPA 2000C and TPA 2071C. Projects in scene painting techniques. Fall. M&S fee $70.00


TPA 3191L CAH-THEA 3(0,VAR) Summer Theatre Studio/Technology/Design I: PR: Departmental consent by audition or interview. Study, analysis, and rendering techniques used in scenic, lighting, and costume design. Spring. Fall, Summer.

TPA 2200C CAH-THEA 3(2,2) Stagecraft I: PR: BFA Design/Technology or Stage Management major. Introduction to design for the stage, including scenery, lighting, costumes and sound. Occasional.

TPA 2010C CAH-THEA 3(2,2) Scene Study: 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 2210 CAH-THEA 3(3,0) Stagecraft I: PR: BFA Design/Technology or Stage Management major. CR: TPA 2210L. Development, theory, and practice of technical theatre production. Fall.

TPA 2210L CAH-THEA 3(3,0) Stagecraft I Lab: PR: or CR: "C" (2.0) or better in TPA 2210L. Practical projects in scenic construction. Occasional. M&S fee $45.00

TPA 2211 CAH-THEA 3(3,0) Stagecraft II: 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 3(3,0) Stagecraft II Lab: PR: "C" (2.0) or better in TPA 2210L and TPA 2210. CR: TPA 2211L. 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 2230C CAH-THEA 3(2,2) Costume Construction: PR: Theatre Major or Departmental Consent. Basic knowledge and techniques for construction of stage costumes. Fall. 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 10(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 $17.00

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 and TPA 2000C. Projects in the fundamentals of costume design for the stage. Fall.

TPA 4066C CAH-THEA 3(2,2) Advanced Scenography: PR: "C" (2.0) or better in TPA 3060C, TPA 3045C, TPA 3265C, or TPA 3223C. Project based work in student's area of concentration. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.


TPA 4251C CAH-THEA 2(2,2) Advanced CADD for Theatre: PR: "C" (2.0) or better in TPA 4250C. Advanced computer-aided drafting and design and its application for Theatre. Spring. M&S fee $43.00

TPA 4298L CAH-THEA 1(0,VAR) Theatre Participation-Production II: PR: "C" (2.0) or better in TPA 2200L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $47.00

TPA 4384C CAH-THEA 3(3,4) Advanced Topics in Technical Theatre: PR: "C" (2.0) or better 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. 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, Spring.

TPA 4401C CAH-THEA 3(2,2) Theatre Careers in Production: PR: B.F.A. Design and Technology or Stage Management; Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Fall, 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 3601. 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) Lighting Design Studio: PR: TPA 5042C and TPA 5062C. Advanced work in the process of designing light for theatre with an emphasis on the use of light as artistic expression. Fall.

TPA 5042C CAH-THEA 3(2,2) Costume Design Studio: PR: Admission to the graduate program in Theatre or C.I. Project oriented course in the advance study of Costume Design. Occasional.

TPA 5062C CAH-THEA 3(2,2) Scene Design Studio: PR: Graduate status or C.I. Project oriented course in advanced work in the conceptualization and communication of scenic designs for the stage. Spring.

TPA 5081C CAH-THEA 3(3,3) Design Concepts for Youth Theatre: PR: Admission to the graduate program in Theatre or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre. Fall, Spring.


TPA 5095C CAH-THEA 1(1,1) Rendering for Theatre I: PR: Admission to the program in Theatre in C.I. Traditional visual communication skills necessary for scenic, costume, and lighting design. Fall.

TPA 5175C CAH-THEA 1(1,1) Rendering for Theatre II: PR: TPA 5005C. Software and technology available for visual communication and documentation. Spring.

TPA 5345C CAH-THEA 2(2,2) 2D Computer Assisted Design for Theatre: PR: Admission into the Theatre MFA Design track. Two Dimensional computer drafting and editing techniques applicable to theatre design. Occasional.

TPA 5346C CAH-THEA 2(2,2) 3D Modeling for Theatre: PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable for theatre design. Occasional.
TPA 5405 CAH-THEA 3(3,0)
Theatre Management for Non-Majors: PR: Theatre 1000 or Theatre 2000, graduate status, or C.I. Study of university, community and professional theatre management with special attention to the principles of management to include management skill/function and organizational systems/performance as they relate to theatre organizations/institutions. Fall.

TPA 5885C CAH-THEA 2(2,2)
Puppetry: PR: Admission to MFA graduate program or C.I. Puppetry as an art form in design and performance. Odd Spring. M&S fee $30.00

TPA 5946C CAH-THEA 1(0,20)
Design Practicum I: PR: Admission into the MFA Design program. Practical experience as a member of the production team as a prop master or assistant scenic, costume, lighting, or sound designer. Occasional.

TPA 5949C CAH-THEA 1(0,20)
Design Practicum II: PR: Admission into the graduate program. CAH-THEA 5949C. Advanced level 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 imagination, 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 2170C CAH-THEA 3(2,2)
Acting II - The Actor Prepares: PR: B.F.A. Acting or Musical Theatre major and C (2.0) or better in TPP 2110C. Fundamental techniques to acting, with emphasis on characterization and character development. Fall, Spring.

TPP 2185 CAH-THEA 3(3,0)
Acting for Non-majors: Introduction to the fundamentals of acting. Fall, Spring.

TPP 2190L CAH-THEA 1(0,VAR)
Theatre: Participation/Performance I: PR: Theatre major or minor or department consent. Participation in UCF Theatre productions. May be repeated for credit. Fall, Spring. M&S fee $48.00

TPP 2200C CAH-THEA 3(2,2)
Stage Speech/Voice: PR: BA Theatre major or minor. Practical stage voice as it applies to performance. Credit cannot be applied towards BFA acting and musical theatre majors. Spring.

TPP 2210C CAH-THEA 2(2,1)

TPP 2242C CAH-THEA 2(2,2)

TPP 3103 CAH-THEA 3(3,0)
Intermediate Acting: PR: B.A. Theatre Studies major, or BFA Stage Management major or Theatre minor and C (2.0) or better in TPP 2110C or TPP 2185. Practice and execution of scene work, monologue work, and exercises. Fall, Spring.

TPP 3173C CAH-THEA 3(2,2)
Acting II - Building the Character: PR: Grade of C (2.0) or better required in TPP 2170C. Reinforcement of acting techniques begun in Acting II, with emphasis on characterization and character development. Spring.

TPP 3197L CAH-THEA 3(0,VAR)
Summer Theatre/Performance: PR: Audition/ Interview or departmental consent. Production assignments and responsibilities during the rehearsals/performances of play scripts produced as a part of the UCF mainstage. May be repeated in the degree program a maximum of 8 times. Occasional. M&S fee $20.00

TPP 3251C CAH-THEA 2(1,1)
Musical Theatre Monologue: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 2170C. Practical acting techniques with solo musical theatre repertoire. Fall.

TPP 3252C CAH-THEA 2(2,1)
Musical Theatre Scene Study: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 2170C. Practical acting technique for musical theatre scene study Fall.

TPP 3257C CAH-THEA 2(2,2)

TPP 3258C CAH-THEA 2(2,2)
Musical Theatre Voice Styles: PR: B.F.A. Acting or B.A. Theatre Studies major, and C (2.0) or better in TPP 3257C. Singing a variety musical theatre repertoire styles. Fall.

TPP 3264C CAH-THEA 3(3,2)
Acting on Camera: PR: BA Theatre major; C (2.0) or better in TPP 2110C, and TPP 3103. Preparing the actor for professional work in the TV/Film industry. Occasional.

TPP 3310C CAH-THEA 2(2,2)
Directing for Theatre I: PR: Theatre major and C (2.0) or better in TPP 3271C, TPP 3272C, TPP 3273C, and TPP 3274C. Technical, emotional and psychological aspects of voice applied to musical theatre singing. Music and Lyrics as script. Spring.

TPP 3371C CAH-THEA 2(1,1)
Voice Production II: PR: C (2.0) or better in TPP 2710C. Reinforcing stage voice awareness introduced in TPP 2710C, focusing on a physical approach to acting texts. Spring.

TPP 3372C CAH-THEA 2(2,1)
Voice Production III: PR: C (2.0) or better in TPP 3371C. Emphasis on study of Shakespearean and heightened language. Fall.

TPP 3373C CAH-THEA 2(2,2)
Musical Theatre Applied/Studio Voice I: PR: C (2.0) or better in TPP 3272C. Continuation of Musical Theatre voice training with individualized instruction. Fall.

TPP 3374C CAH-THEA 3(3,2)
Music Theatre Production/Studio Voice II: PR: C (2.0) or better in TPP 3373C. Continuation of Musical Theatre voice training with individualized instruction. Fall.

TPP 3395L 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 3110C and 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 2190C. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $48.00

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 2(2,2)
Theatre Careers for Performance: PR: B.F.A. or B.A. Theatre Studies major. Techniques needed to secure employment in performance or related fields. Spring.

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.

TPP 4244 CAH-THEA 2(2,2)
Circus Acting: PR: Theatre major or minor; C (2.0) or better in TPP 2185, or TPP 2110C, and THE 2000 or THE 2020. Application of theatrical storytelling as an art form. Occasional.

TPP 4259C CAH-THEA 2(2,2)
MT Applied/Studio Voice III: PR: C (2.0) or better in TPP 4250C. Continuation of Musical Theatre voice training. Individualized instruction Fall.

TPP 4265C CAH-THEA 3(3,2)
Camera Acting: PR: C (2.0) or better in TPP 4140C. Application of previous acting training to the TV/Film medium. Occasional.

TPP 4270C CAH-THEA 2(2,2)
MT Applied/Studio Voice IV: PR: C (2.0) or better in TPP 4250C. Continuation of Musical Theatre voice training. Individualized instruction Spring.

TPP 4271C CAH-THEA 2(2,2)
MT Applied/Studio Voice V: PR: C (2.0) or better in TPP 4270C. Continuation of Musical Theatre voice training. Individualized instruction. Fall.

TPP 4311C CAH-THEA 2(2,2)
Advanced Directing for Theatre: PR: B (3.0) or better in TPP 3744C. Practical experience directing class scenes and projects. Spring.

TPP 4512C CAH-THEA 2(2,2)
Stage Combat: PR: B.F.A. Acting or Musical Theatre major, grade of C (2.0) or better in TPP 3711C, and Senior standing. Stage combat with emphasis on hand-to-hand combat. Occasional.

TPP 4531C CAH-THEA 2(2,1)
Period Movement: PR: Grade of C (2.0) or better required in TPP 3713C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4730C CAH-THEA 2(2,2)
Diabolics: PR: Grade of C (2.0) or better required in TPP 3712C. Analysis of dialects and regionals, reinforcing the study of phonetics, placement, and vocal apparatus. Occasional.

TPP 4746C CAH-THEA 2(2,2)
Musical Theatre Auditioning: PR: Theatre major and grade of C (2.0) or better in DAA 2201C and TPP 3257C or TPP 2742C. Preparation for professional musical theatre auditions. Occasional.

TPP 4923C CAH-THEA 2(2,2)
MT Applied/Studio Voice VI: PR: C (2.0) or better in TPP 4271C. Continuation of Musical Theatre voice training. Individualized instruction. Spring.
TPP 5125C CAH-THEA 2(2,2)
Improvisation Studio: PR: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop creativity, creative freedom and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA 3(2,2)
Acting Studio I: PR: Admission to Theatre M.F.A. Acting or Musical Theatre Track. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. Fall.

TPP 5157C CAH-THEA 3(2,2)
Acting Studio II: PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of modern (1850-) European playwrights with emphasis on the works of Ibsen/Cherkov/Shaw. Spring.

TPP 5246C CAH-THEA 2(2,2)
Circus Arts: PR: Admission to Theatre graduate program or C.I. Circus skills and history. Even Spring.

TPP 5248C CAH-THEA 2(2,2)
Storytelling as a Theatrical Art Form: PR: Admission to Theatre graduate program or C.I. Application of storytelling as an art form. Spring.

TPP 5273 CAH-THEA 2(2,0)
Musical Theatre Acting I: PR: TPP 5157C. Integration of musical theatre acting, singing, and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textual and musical interpretation. Occasional.

TPP 5278C CAH-THEA 1(1,1)
Musical Theatre Lab: PR: TPP 5157C. Practical course in developing musical theatre skills for the actor. Spring.

TPP 5289C CAH-THEA 2(2,3)
Acting Methodologies: PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. Even Fall.

TPP 5386C CAH-THEA 3(3,3)
Directing for Young Audiences: PR: The 5910 and The 5935. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.

TPP 5515 CAH-THEA 2(2,0)
Movement Studio I: PR: Admission to M.F.A. Performance Program. Graduate level course in principles and methods of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic unformed combat. Spring.

TPP 5554C CAH-THEA 2(2,4)
Musical Theatre Dance I: PR: M.F.A. Musical Theatre Majors. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. Fall.

TPP 5555C CAH-THEA 2(2,4)
Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. Spring.

TPP 5715C CAH-THEA 2(2,1)
Stage Voice I: PR: Admission to M.F.A. performance program. An introduction/review class examining the fundamentals of speaking on stage; the correct production of sound, breathing, relaxation of physical tension, and articulation Fall.

TPP 5716C CAH-THEA 2(2,1)
Stage Voice II: PR: Admission to the M.F.A. Performance Program. TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner’s narrow transcription with consonants, review of all Linklater work, and introduction to the work of Arthur Lessac. Spring.

TPP 5754 CAH-THEA 2(2,0)
Musical Theatre Voice I: PR: Admission to M.F.A. Musical Theatre Program. Voice study devoted to the diagnosis and development of the singing voice and its application to musical theatre performance placing particular emphasis upon vocal technique. Fall.

TPP 5935C CAH-THEA 2(2,2)
Contemporary Practices in Youth Theatre: PR: Admission to M.F.A. graduate program or C.I. Investigation of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times. Odd Spring.

TSL 3346 CAH-LANG 3(3,0)
English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. Fall, Spring.

TSL 4080 ED-TL&L 3(3,0)
Theory and Practice of Teaching ESL: PR: TPP 5157C. Designed to develop understanding, knowledge and skills of TEFL, including: materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TSL 4240 CAH-LANG 3(3,0)
Issues in Second Language Acquisition: PR: TSL 4942. A course in developing ESL reading and writing. Includes micro-teaching in class as well as 25 hours of experience working with non-native speakers. Fall.

TSL 4363 CAH-LANG 3(3,0)
ESL Classroom Experiences: PR: TSL 3346 (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 theory on teaching and assessing academic subjects to second language (L2) learners in grades Pre-K-12. Fall, Spring.

TSL 4943 ED-TL&L 3(3,0)

TSL 4945 ED-TL&L 3(3,0)
ESOL Clinical Experience: PR: TSL 4942 and TSL 4943. 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. Fall, 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. Odd Fall.

TSL 5345 ED-TL&L 3(3,0)
Methods of ESL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.

TSL 5736 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 5740 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 or C.I. Address issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 3810 ECS-CECE 3(3,0)
Highway Engineering: PR: STA 3032 with a grade of “C” (2.0) or better; CR: CEN 3700C. Three functional classifications are covered: planning, design and operation of transportation facilities. The 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. Qualitative and quantitative approaches to contemporary transportation challenges, including economic theory, optimization algorithms, statistical methods, and sustainable transportation alternatives. Spring.

TTE 4601C ECS-CECE 3(2,2)
Urban Systems Design: PR: TTE 4274 with a grade of “C” (2.0) or better and department consent. Project design course covering principles/techniques of planning, traffic analysis, 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 operator and vehicle characteristics, and design for street capacity, signs, signals, and markings. Occasional.

TTE 5805 ECS-CECE 3(3,0)

TTE 5835 Pavement Engineering: PR: EGN 3331, CEN 3701C, CEQ 4011C. Pavement materials; analysis, evaluation, and management will be included to the current material. Thus, “Pavement Engineering” would be a proper course name. Even Fall.

VIC 306 COS-COMM 3(3,0)
Visual Communication: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. A study of human visual systems and influences of visual media on modern society. Fall, Spring.

VIC 4312 COS-COMM 3(3,0)
Power Branding: PR: Ad/PR majors only; MMC 3630, ADV 4101, and MMC 3420, or C.I. The importance of brand equity as well as how to build, measure, and manage brand equity. Fall, Spring.
UCF Courses and Descriptions

WOH 2022 CAH-HIST 3(3,0)
World Civilization II: A topical approach to the study of the rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. Fall, Spring.

WOH 2022H CAH-HIST 3(3,0)
Honors World Civilization II: PR: Permission of Honors. The rise and decline of world civilizations from antiquity to the great civilizations of medieval times. Honors content. Occasional.

WOH 2022 WST-3000 3(3,0)
World Civilization I: Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Fall, Spring.

WOH 2022H WST-3000 3(3,0)
Honors World Civilization I: PR: Permission of Honors. Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Honors content. 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)

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. Occasional.

WST 3371 CAH-WOM 3(3,0)
Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership styles, obstacles faced by 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)

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 intersectional theories with attention to fluidity of identities and diversity of experiences. Even Fall.

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: WST 3015. Relationships among feminist theory, research, social change, and gender equality as experienced at the workforce in private, public and non-profit spheres. Occasional.

WST 4021 CAH-WOM 3(3,0)

WST 4022 CAH-WOM 3(3,0)

WST 4023 CAH-WOM 3(3,0)

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. 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 5601 CAH-WOM 3(3,0)
Theories in Gender Studies: PR: Graduate standing. Gender Studies graduate certificate standing, or C.I. Theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.

WST 5619 CAH-WOM 3(3,0)
Applied Gender Studies: PR: Graduate standing or C.I. Emphasizes 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.

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 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: A “C” (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&S fee $65.00

ZOO 3733C COM-BSBS 4(3,3)
Human Anatomy: PR: BSC 2010C or equivalent. Structure of the human body. Fall, Spring. M&S fee $6.00

ZOO 3733C COM-BSBS 4(3,3)
Honors Human Anatomy: PR: BSC 2010C or equivalent and Consent of Honors. Basic and functional anatomy in a clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Content. Spring. M&S fee $6.00

ZOO 3736C COM-BSBS 4(3,2)
Exercise Physiology: PR: BSC 2010C, C.I. Gross anatomy for exercise physiology majors. Fall, Spring. M&S fee $6.00

ZOO 3744 COM-BSBS 3(3,0)
Neurobiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall, Spring.

ZOO 3744H COM-BSBS 3(3,0)
Honors Neurobiology: PR: BSC 2010C and Honors Consent. Comprehensive discussion of cellular composition of the nervous system and functions of each cell type, electrical and chemical communication; including neuroanatomy and neurophysiology of chemical, somatic and auditory system. Occasional.

ZOO 3755C COS-BIOL 3(1,3)
Introductory Histology: PR: PCB 3703C or ZOO 3703C equivalent. Basic and functional histology, microscopic anatomy, histology and physiology, tissue organization, and the cellular composition of living organisms. Occasional. With Honors Content. M&S fee $34.00

ZOO 4205C COS-BIOL 4(2,6)
Vertebrate Evolution & Ecology: PR: A “C” (2.0) or better in all the following: BSC 2010C, BSC 2110C, and PCB 3044, or C.I. Anatomy, ecology, taxonomy, behavior, evolution, and parasitological relations of the radiates, blateria, eelcous, schizocoelous, and cercocelous vertebrates. Interdisciplinary. M&S fee $65.00

ZOO 4426C COS-BIOL 4(2,4)

ZOO 4480 COS-BIOL 4(4,0)
Mammalogy: PR: A “C” (2.0) or better in both BSC 2010C and BSC 2110C, or C.I. Diversity and biology of mammals from an evolutionary perspective. Even Spring.

ZOO 4480L COS-BIOL 4(3,5)
Mammalogy Lab: PR: C.O. 4480. This lab will enhance topics covered in the lecture further exploring the anatomy and identification of mammals with hands-on experience. Fall.

ZOO 4513C COS-BIOL 3(3,0)
Animal Behavior: PR: A “C” (2.0) or better in both BSC 2010C and 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 COS-BIOL 3(3,0)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Section</th>
<th>Credit Hours</th>
<th>Title</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOO 4742</td>
<td>COM-BSBS</td>
<td>3(3,0)</td>
<td>Advanced Neurobiology</td>
<td>PR: ZOO 3744. Advanced topics in movement, vision, motivation, sex and brain, emotions, biological rhythms, sleep, language, attention, mental illness, development, learning, memory, degeneration, regeneration. Spring.</td>
</tr>
<tr>
<td>ZOO 4743C</td>
<td>COM-BSBS</td>
<td>4(3,1)</td>
<td>Clinical Neuroanatomy and Neuroscience</td>
<td>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.</td>
</tr>
<tr>
<td>ZOO 4743C</td>
<td>COM-BSBS</td>
<td>4(3,2)</td>
<td>Honors Clinical Neuroanatomy</td>
<td>PR: ZOO 3733C and Honors consent. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Occasional.</td>
</tr>
<tr>
<td>ZOO 4747C</td>
<td>COM-BSBS</td>
<td>4(3,1)</td>
<td>Clinical Neuroscience</td>
<td>PR: ZOO 3744 or ZOO 4743C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology and neurodiagnostics with Honors consent. Spring.</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>COM-BSBS</td>
<td>4(3,3)</td>
<td>Vertebrate Histology</td>
<td>PR: ZOO 3744C. 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&amp;S fee $70.00</td>
</tr>
<tr>
<td>ZOO 4910L</td>
<td>COS-BIOL</td>
<td>VAR(0,VAR)</td>
<td>Research Experience in Animal Behavior in a Zoo Environment</td>
<td>PR: A minimum grade of a &quot;B&quot; (3.0) in ZOO 4513. Observing, documenting, and analyzing animal behavior in a zoological setting. Fall, Spring.</td>
</tr>
<tr>
<td>ZOO 5456C</td>
<td>COS-BIOL</td>
<td>4(2,6)</td>
<td>Ichthyology</td>
<td>PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. Occasional. M&amp;S fee $25.00</td>
</tr>
<tr>
<td>ZOO 5463C</td>
<td>COS-BIOL</td>
<td>4(2,4)</td>
<td>Herpetology</td>
<td>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&amp;S fee $90.00</td>
</tr>
<tr>
<td>ZOO 5475L</td>
<td>COS-BIOL</td>
<td>3(0,6)</td>
<td>Field Ornithology</td>
<td>PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systematics. Occasional. M&amp;S fee $30.00</td>
</tr>
<tr>
<td>ZOO 5486</td>
<td>COS-BIOL</td>
<td>4(4,0)</td>
<td>Mammalogy</td>
<td>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. 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</td>
<td>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>
</tr>
<tr>
<td>ZOO 5748C</td>
<td>COM-BSBS</td>
<td>5(3,2)</td>
<td>Clinical Neuroanatomy</td>
<td>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</td>
<td>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>
</tbody>
</table>
BECKER, LYNN, Instructor of Management (1993), B.S., M.B.A., E.D.D. (University of Central Florida)

BECKMAN, JAMES A., Associate Professor and Department Chair of Legal Studies (2011), B.A., J.D., L.L.M. (Georgetown University)

BEDDLE, JEFFREY, Associate Professor of Psychology (2010), B.S., M.S. Ph.D. (University of Georgia)

BEEVER, JONATHAN, Assistant Professor of Philosophy (2015), B.A., M.A., Ph.D. (Purdue University and University of Pittsburgh)

BEG, SHAZIA, Assistant Professor of Rheumatology (2011), M.D. (State University of New York)

BEH, AMAN, Associate Professor of Electrical and Computer Engineering (2010), B.S., M.S., Ph.D. (Clemson University)

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BEILER, ROSALIND J., Associate Professor (1994), B.A., Ph.D. (University of Pennsylvania)

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BERSIA, JOHN, Special Assistant to the President, Global Perspectives (2001), M.A., M.S. (London School of Economics)

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Chand, Nataly, Director, International Services Center (2003), B.A., M.P.A. (University of Central Florida)

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Cole, W. Scott, Vice President & General Counsel (2002), B.S.J.D. (University of Florida)

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<th>Date</th>
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<td>Lee R. Scherer, Doctor of Engineering Science</td>
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<td>December 1979</td>
<td>Joseph Daniel Duffey, Doctor of Humane Letters</td>
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<tr>
<td>June 1980</td>
<td>Thelma Vivian Jackson Dudley, Doctor of Humanities</td>
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<td>April 1982</td>
<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
<td>December 2002 Albert Burnett, Doctor of Commercial Science</td>
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<td>Ferdinand Duda, Doctor of Agricultural Service</td>
<td>December 2004 Robert E. Kahn, Doctor of Science</td>
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<td>John Duda, Doctor of Agricultural Service</td>
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<td>Mary Jo Davis, Doctor of Public Service</td>
<td>March 2006 Anbel Acevedo Vila, Doctor of Public Service</td>
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<td>December 1984</td>
<td>Allan E. Gotlieb, Doctor of Laws</td>
<td>December 2009 Howard Lance, Doctor of Science</td>
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<td>May 1985</td>
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<td>December 2011 Jerry S. Roth, Doctor of Commercial Science</td>
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<td>March 1986</td>
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<td>October 1988</td>
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<td>December 1988</td>
<td>Sven Caspersen, Doctor of Engineering Science</td>
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<td>John D. Holloway, Doctor of Public Service</td>
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<td>May 1989</td>
<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
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<td>Frank M. Hubbard, Doctor of Public Service</td>
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<td>Charles N. Millican, Doctor of Laws</td>
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<td>May 1990</td>
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<td>May 1991</td>
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<td>May 1993</td>
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<tr>
<td>May 1995</td>
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<td>December 1995</td>
<td>Jesse Stone, Doctor of Humane Letters</td>
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A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: 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 course prerequisites, co-requisites and 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.

CI: consent of instructor.

Class Schedule Search: a component of the online myUCF system (at https://my.ucf.edu) that lists courses and class sections offered each academic term.

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. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student’s 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.

UCF GLOSSARY
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: 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.

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.

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., PH1 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: the academic year at UCF is divided into segments called “terms” (also called “semesters”). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them “quarters.” UCF is on the semester system; however, we usually speak of “Fall Term,” “Spring Term,” or “Summer Sessions.”

Term GPA: grade point average (GPA) on work attempted during any given term.

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 nationally-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 work attempted while in attendance at UCF.

UCF ID: (UFC 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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